

JVC

SERVICE MANUAL

STEREO CASSETTE DECK

TD-R611 A/B/C/E/G/J/U



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1 Safety Precautions

1. The design of this product contains special hardware and may circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer or responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (Δ) on the schematic diagram and Parts List in Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List in Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.

When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

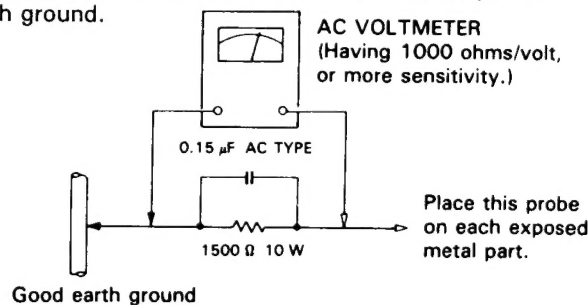
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).

This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

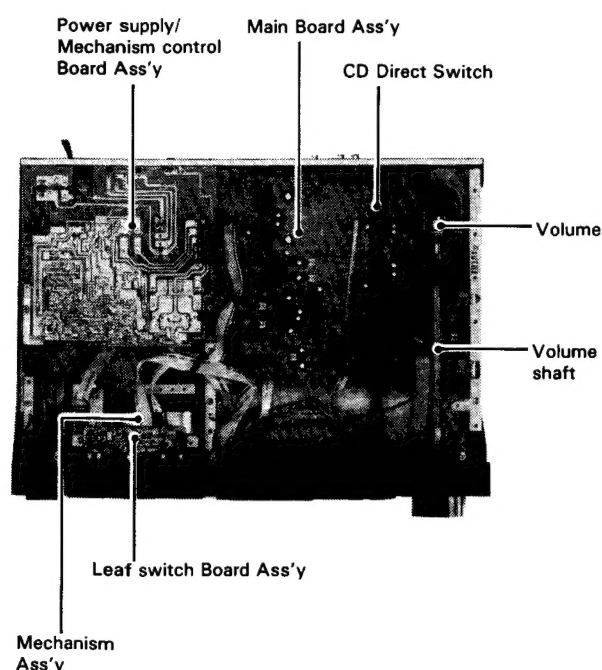
2 Specifications

Type	: Stereo cassette deck	Motors	: Electronic governed DC motor for capstan × 1 DC motor for reel × 1 DC motor for mechanism drive × 1
Track system	: 4-track, 2-channel	Fast forward/Rewind time	: Approx. 95 sec. with C-60 cassette
Tape speed	: 1-7/8 inch/sec (4.8 cm/sec)	Input terminals	
Frequency response	: (−20 dB recording) Metal tape; 15–19,000 Hz 20–17,000 Hz (±3 dB) Chrome tape; 15–18,000 Hz 20–16,000 Hz (±3 dB) Normal tape; 15–18,000 Hz 20–16,000 Hz (±3 dB)	LINE IN (×1 circuit)	: Min. input level; 80 mV Input impedance; 50 kΩ
S/N ratio	: 58 dB (S = 1 kHz, K3 = 3% N = A-weighted, Metal tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with Dolby B NR on.	CD DIRECT (×1 circuit)	: Min. input level; 80 mV Input impedance; 50 kΩ
Improvement of MOL	: 4 dB at 10 kHz with Dolby C NR on.	Output terminals	
Wow and flutter	: 0.05% (WRMS)	LINE OUT (×1 circuit)	: Output level; 300 mV Output impedance; 5 kΩ
Channel separation	: 40 dB (1 kHz)	PHONES × 1	: Output level; 0~1 mW/8 Ω Matching impedance 8 Ω – 1 kΩ
Crosstalk	: 60 dB (1 kHz)	Other terminals	: COMPU LINK-1/SYNCHRO × 2
Harmonic distortion	: K3; 0.5% THD; 1.0% (metal tape, 1 kHz 0 VU)	Power requirement	
Heads	: SA (Sen-Alloy) recording/ playback head, 2 Gap-Ferrite erasure head; Combination head × 1	TD-R611A/B/E/G	: AC 240/220/120 V, 50/60 Hz
		TD-R611C/J	: AC 120 V, 60 Hz
		Power consumption	: 15 W
		Dimensions (W × H × D)	: 435 × 132 × 336 mm (17-3/16" × 5-1/4" × 13-1/4")
		Weight	: 6.8 kg (15.0 lbs)
		Accessories	: Pin plug cord 2 Remote cable 1

Design and specifications are subject to change without notice.

3 Location of Main Parts

Top view



Bottom view

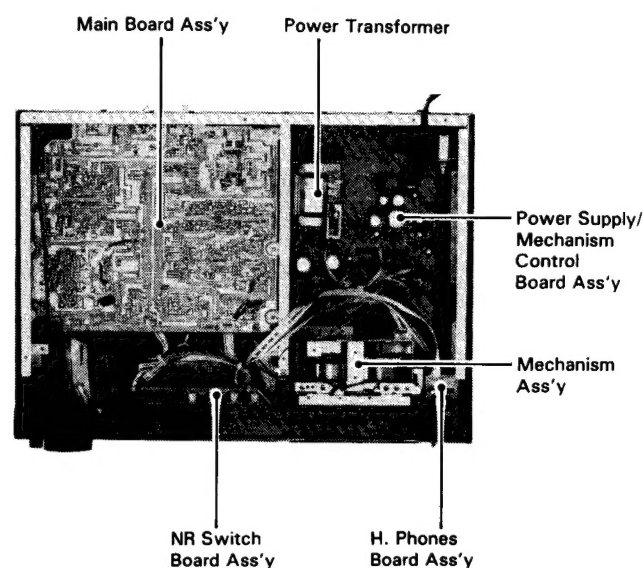


Fig. 3-1

4 Location of Control

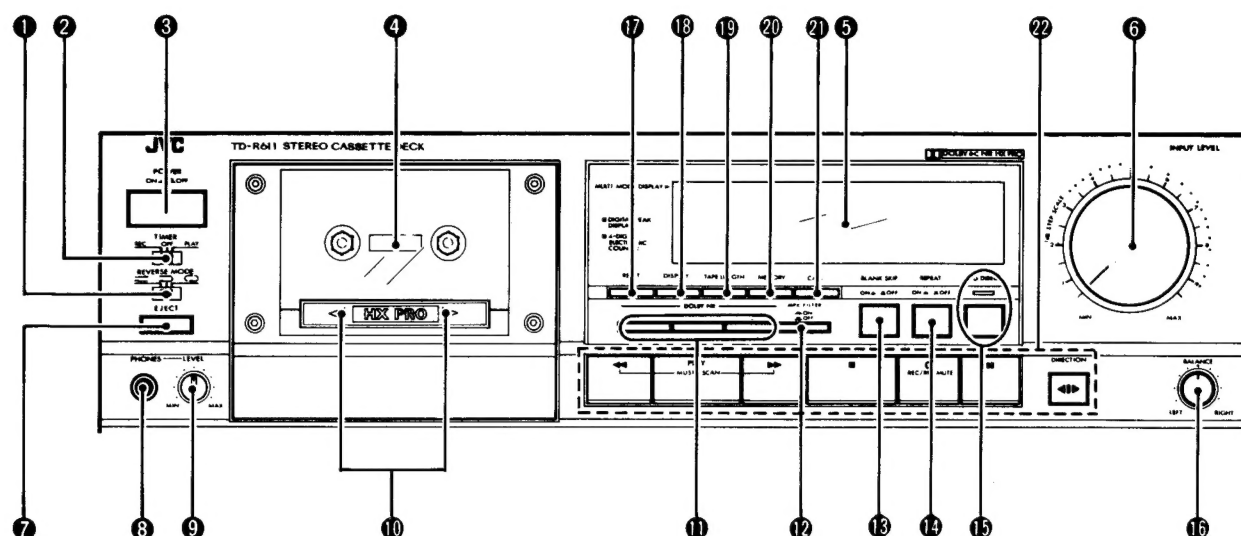


Fig. 4-1

1 REVERSE MODE switch

Select a single side or full record/playback mode, or continuous play mode.

- : For recording or playback only a single side.
- : To fully play or record sides A and B.
- : To playback continuously sides A and B.

2 TIMER switch

When an optional timer is used, recording and playback can be performed at any desired time.

3 POWER switch

4 Cassette holder

5 MULTI MODE display

- ① Tape remaining time display
- ② MEMORY indicator
- ③ PEAK LEVEL METER
- ④ Recording guide indicator
- ⑤ Digital peak indicator
- ⑥ Tape indicator
- ⑦ Digital counter
- ⑧ Tape length indicator
- ⑨ Reverse mode indicator
- ⑩ Mechanism mode indicator
- ⑪ MPX Filter indicator
- ⑫ DOLBY NR mode indicator

6 INPUT LEVEL control

Adjust the recording level with this control.

7 EJECT button

Press to open the cassette holder.

8 PHONES jack

Connect headphones (with an impedance of 8 ohms to 1 kohm).

9 PHONES LEVEL control

10 Tape direction indicator

11 DOLBY NR switches

Set to ON for recording using the Dolby NR system or for playback using the Dolby NR system. Set to OFF when the Dolby NR system is not used.

12 MPX FILTER switch

The MPX filter functions when the tape is recorded using the Dolby NR system. Normally, set this switch to OFF. When an FM stereo broadcast is to be recorded using Dolby NR, set this to ON to prevent the Dolby NR circuit from malfunctioning (otherwise the sound quality could deteriorate).

13 BLANK SKIP switch

Press this switch to skip quickly through blank portions of more than 10 seconds on the tape when playing back the tape.

14 REPEAT switch

use this switch with the MEMORY button.

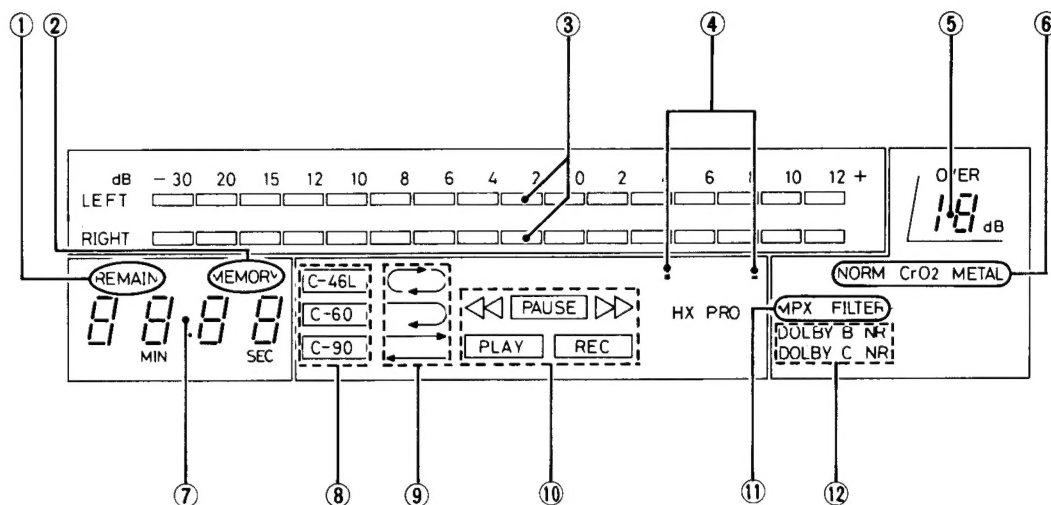


Fig. 4-2

15 CD DIRECT switch and indicator

Press this to make the indicator light when recording directly from a CD player. Press this again to make the indicator go out when recording from a source connected to LINE IN (line input).

16 BALANCE control

Adjusts the balance between the signals input via the left and right LINE IN jacks.

17 RESET button

Press to reset the tape counter to "0000".

18 DISPLAY button

Select the mode of the digital counter. The tape counter will be indicated when the power is first switched on. Press this button to select the tape remaining time display.

19 TAPE LENGTH button

Use this button when you want to check the remaining tape time. The remaining time must be displayed in the digital counter before setting the tape length (e.g., C-60).

20 MEMORY button

Use this button to specify the position at which you want the tape to stop in rewind and repeat playback.

21 CALL button (Digital peak)

Press to call up the stored peak level or reset the memory.

22 Cassette operation buttons**◀◀ (rewind):**

Press to fast wind the tape from right to left.

PLAY:

Press to start recording/playback. Press this button with either the ◀ or ▶ button for music scanning.

▶▶ (fast forward):

Press to fast wind the tape from left to right.

■ (stop):

Press to stop the tape.

○ REC/REC MUTE:

Press the PLAY button while pressing this button to start recording, and press to leave an appropriate non-recorded section.

|| (pause):

Press to stop the tape temporarily. Press the PLAY button to release the pause mode.

◀▶ DIRECTION:

Press to change the direction of tape travel.

5 Removal of Main Parts

(Cabinet Parts)

■ Top Cover

- 1) Remove the four screws on the left and right.
- 2) Remove the two screws on the back side.

■ Back Cover

- 1) Remove the six screws (1) retaining the back cover.
It is possible in this state to replace parts on the main power source P.C. Board.

■ Front Plate

- 1) Remove the input level volume knob and the balance volume knob.
- 2) Remove the five screws (2) retaining the front plate on the top and bottom.

■ Front Panel Assembly

- 1) Remove the power source switch knob.
- 2) Remove the switch side of the input change remote bar and remove the knob.
- 3) Pull the input volume remote bar inward and remove from the F. panel.
- 4) Remove the two screws (3) retaining the center chassis on the front side.
- 5) Remove the four screws (4) retaining the panel assembly on both sides.
- 6) When necessary, remove the wire processing.

■ Removal From the Front Panel Assembly

Mechanism Assembly

- 1) Remove the two screws (5) retaining the upper side of the mechanism assembly from the back.
- 2) Remove the solder for the LED lead on the leaf switch P.C. Board.
- 3) Remove the two screws (6) retaining the bottom side of the mechanism assembly.
- 4) Open the cassette door and remove.

■ Timer Switch

Release the hooks retaining the switch P.C. Board at four locations.

■ Headphone Jack P.C. Board

- 1) Pull out the output volume knob.
- 2) Remove the nut which is retaining the jack.
- 3) Remove the volume bracket, push the volume shaft upward and remove from the groove.

■ Volume P.C. Board

- 1) Release the hooks which are retaining the balance volume P.C. Board at two locations.

■ Display, Dolby B/C NR, MPX Filter Switch P.C. Board

- 1) Remove the two nuts (7) retaining the switch.
- 2) Release the hooks which are retaining the P.C. Board at six locations.

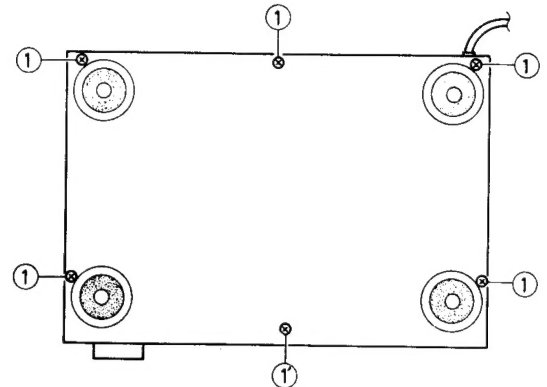


Fig. 5-1

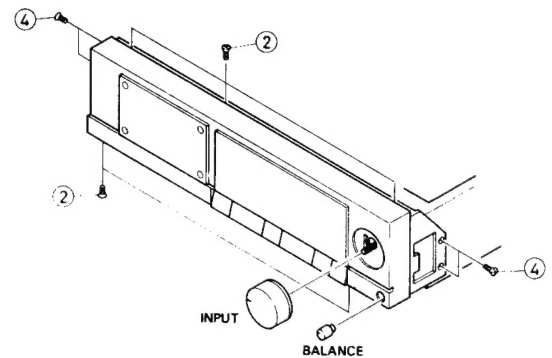


Fig. 5-2

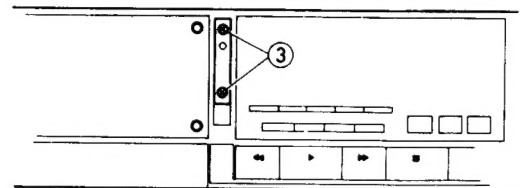


Fig. 5-3 Assembly as seen from inside.

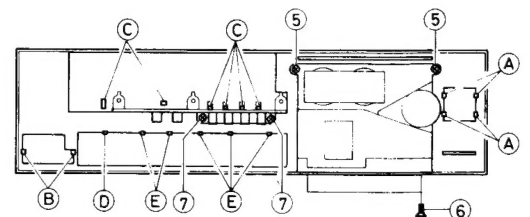


Fig. 5-4

■ Switch P.C. Board Assembly

Remove hook (D) and then remove hooks (E) in five locations in the correct order starting on the (D) side. Pressing the P.C. Board from the hole on the front panel will facilitate removal.

(Mechanism Section) Refer to disassembly figures.

■ **Head Assembly:**

- 1) Remove the head wire from the wire holder.
- 2) Make sure the head cap is protected (by covering with paper secured with tape).
- 3) Remove the two screws on the head cap side and slowly pull out the head cap. It should be possible for the shield section to move as far as the head mount assembly.

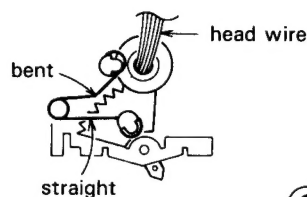


Fig. 5-5

■ **Head Mount Assembly**

- 1) Remove the head return spring.
- 2) Remove the two screws (1) retaining the head mount assembly.

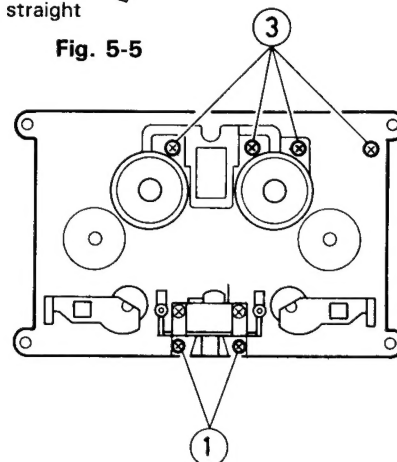


Fig. 5-6

■ **FM Bracket**

- 1) Remove the five screws (2) and (5) retaining both sides of the FM bracket.
- 2) The bracket on the capstan motor side has a hub hook.
- 3) Removing the motor bracket will make it possible to remove the belt.

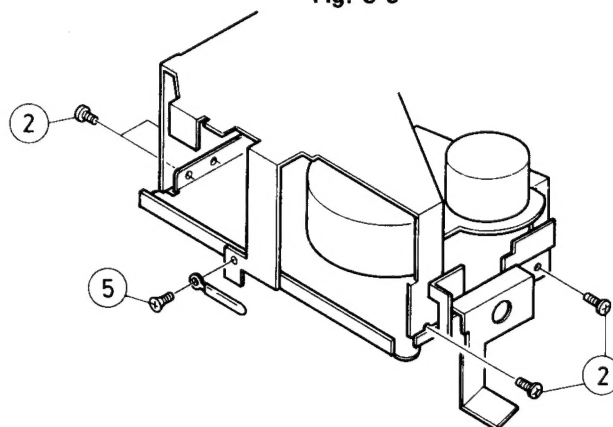


Fig. 5-8

■ **Flywheel Assembly**

- 1) Remove the screws retaining the flywheel metal from the holes in the flywheel.

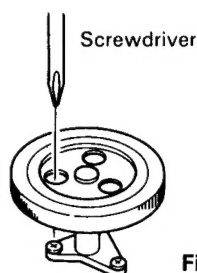


Fig. 5-7

■ **Disk Base Assembly**

- 1) Remove the flywheel.
- 2) Remove the four screws (3) retaining the cam motor and the reel motor (on the head assembly side).
- 3) Remove the screw (4) retaining the head base.
- 4) Pulling the brake arm away from the disk arm will allow removal.

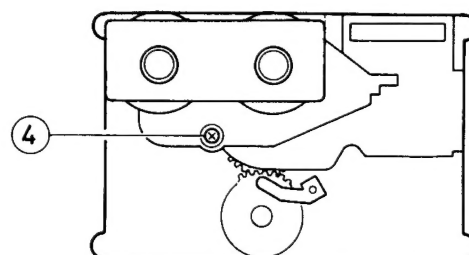
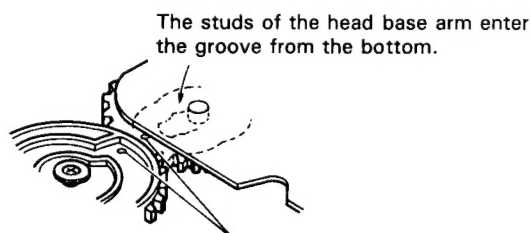


Fig. 5-10

Meshing of the cam gears:



When meshing the cam gears, the ㄣ marks are meshed.

Fig. 5-9

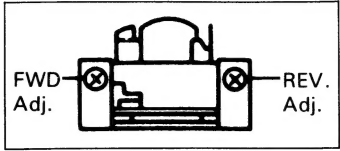
6 Main Adjustments

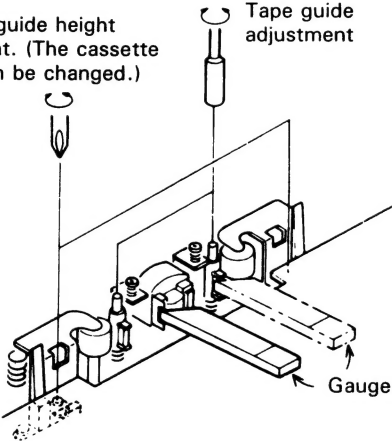
1. Equipment and measuring instruments used for adjustments

- | | |
|---|--|
| 1) Electronic voltmeter | 6) Resistor 600 Ω (for attenuator matching) |
| 2) Audio frequency oscillator
(range: 50—20 kHz and output 0 dB with impedance of 600 Ω) | 7) Distortion meter (bandpass filter) |
| 3) Attenuator (impedance; 600 Ω) | 8) Torque testing cassette gauge, CGT-N |
| 4) Standard tapes for REC/PB
Maxell UD1 — Normal (SF) tape
TDK SA — Chrome (SA) tape — or equivalent
JVC ME — Metal tape | 9) Wow flutter meter |
| 5) Reference tape for playback (JVC Test Tape)
TMT6451 (or VTT712) (for tape speed, wow flutter adj.)
VTT644 (or VTT724) (for playback level)
VTT739 (for playback frequency response)
VTT703L (10 kHz) (for head azimuth adj.) | 10) Frequency counter |
| | 11) M300 gauge (tape transport Adj.) |

2. Mechanism adjustment proceder

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting motor speed	1. Connect a frequency counter to the LINE OUT terminals. 2. Play back the test tape (VTT712). 3. Adjust the semi-fixed resistor in the capstan motor until the reading of the speed meter is 3000 Hz.	Semi fixed resistor in the motor	3000 Hz ± 15 Hz	
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.11 % (WRMS).		0.11 % (WRMS)	If the reading becomes moveing value even if confirming to the standard, a re-claim may be raised. Reparis are necessary.
Checking playback torque	Employ a torque testing cassette tape for the checking, or remove the cassette cover and use a torque gauge.		35—75 gr-cm	If the standard torque is not obtained, replace the take-up disk assembly.
Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.		70 g—200 gr-cm	If the standard torque is not obtained, perform the following. 1. Clean the capstan belt, the idler circumference, the motor pulley, the take-up reel disk circumference, the flywheel circumference, etc. 2. Replace the belt and idler.
Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.		70 g—200 gr-cm	If the standard torque is not obtained, clean the capstan belt, idler, motor pulley, flywheel circumference, rewinding idler circumference, left reel disk circumference, etc.

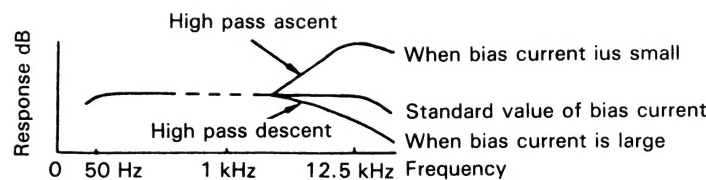
Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting Head azimuth	1. Connect an electronic voltmeter to the LINE OUT terminals 2. Playback the VTT703L test tape. 3. Adjust the head angle with the screw (FWD and REV) until the reading of the electronic voltmeter becomes maximum for both channels.	Screws (FWD, REV)	Maximum	

Items	Tape to be used/jig	Standard	Adjustment and checking method	Adjusting points
Tape transport adjustment	M300 gauge and C-90 tape	The tape should not be curled or stretched during travel. Note: Normally, the tape travel can only be adjusted at tape guide. However, when this adjustment is not sufficient, adjust the cassette guide height.	Adjust the tape guide and cassette guide heights so that the gauge passes through the guide smoothly. Confirm it in both forward and reverse directions. Cassette guide height adjustment. (The cassette height can be changed.) Tape guide adjustment	Refer to the illustration below. (Apply screw locking compound after adjustment.) 

3. Electrical adjustments proceder

Noties: 0 dBs=0.775 V

Item	Adjustment Methods and Verification Methods	Verification Item	Frequency Level	Output ascent value, deviation
1	Dolby circuit recording verification (recording mode, bias stopped)	Recording Dolby B	INPUT; LINE IN	
			Decision point: REC OUT	
			Decision standard level 400 Hz - 6 dBs (=Ca. Level)	
		Recording Dolby C	1 kHz Cal	0 dB ±1 dB
			1 kHz Cal - 40 dB	+ 17 dB ±1.5 dB
			5 kHz Cal - 20 dB	+ 3.5 dB ±1.5 dB
			1 kHz Cal	0 dB ±1 dB

	Item	Adjustment Method	Adjustment Location	Standard Values	Remarks
*2	Playback output level	Record VTT724 (1 kHz) and adjust VR102 and VR202 so that the LINE OUT level is - 8 dBs.	Lch VR102 Rch VR202	- 8 dBs ±0.5	Adjust after replacement.
*3	Playback frequency characteristics	Record VTT739 (1 kHz, 10 kHz) and adjust VR101 and VR201 so that the 1 kHz and 10 kHz output is flat.	Lch VR101 Rch VR201	10 kHz: 0.5±1 dB 63 Hz: + 2 ±3 dB	
*4	Recording bias current frequency OSC efficiency adjustment	Connect the frequency counter to C951 (OSC secondary side) while passing at a level of 1 MΩ. Adjust L901 until the reading on the F counter is 95 kHz. Adjust L105 and L205 so that the voltage for both R354 and R454 in the metal tape position is at minimum.	L901	95 kHz ±3 dB	Metal position
*5	Recording Frequency Characteristics	NR SW; OFF Record 1 kHz with an input of 0 dB minus 20 dB and then record 50 Hz and 12.5 Hz. Adjust VR104, 204 (normal) so that the deviation for 50 Hz and 12.5 kHz output satisfies standard values in relation to a 1 kHz output during playback. (As a rule, it should be adjusted so that the 1 kHz and 12.5 kHz output is flat)	B mechanism (normal) VR104 VR204	With 1 kHz as standard: 0±1 at 50 Hz, 0±0.5 dB at 12.5 kHz	An input of 0 dB minus 20 dB means an input where a 0 dB input has been weakened 20 dB with the ATT. 1) As for the recording playback frequency characteristics of the cassette deck, it is customary to adjust by means of bias adjustmet. This is because the level of dependency for the bias current of the frequency characteristics is larger compared to open reel tape. 2) If the bias current is not correctly adjusted, the recording characteristics will be as shown in the figure at left.
					
*6	Recording level	Adjust volume VR103 (Lch) and V203 (Rch) so that the value equals - 8 dBs when 1 kHz 0 dB, - 20 dB input is recorded.	Lch VR103 Rch VR203	- 8 dBs ±0.5 dB	

* An item for adjustment and verification when replacing heads

3. Electrical adjustments proceder

Noties: 0 dBs = 0.775 V

	Item	Adjustment Methods and Verification Methods			
1	Dolby circuit recording verification (recording mode, bias stopped)	Recording Dolby B	Verification Item	Frequency Level	Output ascent value, deviation
			INPUT; LINE IN Decision point: REC OUT Decision standard level 400 Hz – 6 dBs (= Ca. Level)	1 kHz Cal – 40 dB	+ 5.7 dB ± 1 dB
				5 kHz Cal – 20 dB	+ 3.5 dB ± 1.5 dB
		1 kHz Cal		0 dB ± 1 dB	
		Recording Dolby C		1 kHz Cal – 40 dB	+ 17 dB ± 1.5 dB
				5 kHz Cal – 20 dB	+ 3.5 dB ± 1.5 dB
1 kHz Cal	0 dB ± 1 dB				

Item	Adjustment Method	Adjustment Location	Standard Values	Remarks
*2	Playback output level Record VTT724 (1 kHz) and adjust VR102 and VR202 so that the LINE OUT level is - 8 dBs.	Lch VR102 Rch VR202	- 8 dBs ±0.5	Adjust after replacement.
*3	Playback frequency characteristics Record VTT739 (1 kHz, 10 kHz) and adjust VR101 and VR201 so that the 1 kHz and 10 kHz output is flat.	Lch VR101 Rch VR201	10 kHz: 0.5±1 dB 63 Hz: + 2 ± 3 dB	
*4	Recording bias current frequency OSC efficiency adjustment Connect the frequency counter to C951 (OSC secondary side) while passing at a level of 1 MΩ. Adjust L901 until the reading on the F counter is 95 kHz. Adjust L105 and L205 so that the voltage for both R354 and R454 in the metal tape position is at minimum.	L901	95 kHz ± 3 dB	Metal position
*5	Recording Frequency Characteristics NR SW; OFF Record 1 kHz with an input of 0 dB minus 20 dB and then record 50 Hz and 12.5 Hz. Adjust VR104, 204 (normal) so that the deviation for 50 Hz and 12.5 kHz output satisfies standard values in relation to a 1 kHz output during playback. (As a rule, it should be adjusted so that the 1 kHz and 12.5 kHz output is flat)	B mechanism (normal) VR104 VR204	With 1 kHz as standard: 0±1 at 50 Hz, 0±0.5 dB at 12.5 kHz	An input of 0 dB minus 20 dB means an input where a 0 dB input has been weakened 20 dB with the ATT. 1) As for the recording playback frequency characteristics of the cassette deck, it is customary to adjust by means of bias adjustment. This is because the level of dependency for the bias current of the frequency characteristics is larger compared to open reel tape. 2) If the bias current is not correctly adjusted, the recording characteristics will be as shown in the figure at left.
*6	Recording level Adjust volume VR103 (Lch) and V203 (Rch) so that the value equals - 8 dBs when 1 kHz 0 dB, - 20 dB input is recorded.	Lch VR103 Rch VR203	- 8 dBs ±0.5 dB	

* An item for adjustment and verification when replacing heads

Item	Adjustment Method	Adjustment Location	Standard Values	Remarks
7	Adjustment and verification of level indicator Adjust LINE OUT to - 38 dBs. Adjust VR903 so that the FL indicator at this time lights at - 30 dBs and is extinguished at - 40 dBs. 0 dB will light at - 8 dBs.	VR903		
*8	Checking record/playback distortion 1) Record a 1 kHz, - 20 dB signal to LINE IN terminals. 2) Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.		Normal tape: Less than 2% CrO ₂ tape: Less than 3% Metal tape: Less than 2% (THD)	Be sure to perform this checking following bias current and recording level checking.
9	Checking signal to noise ratio in recording/playback 1) Record a 1 kHz, - 20 dB signal. Stop the input by disconnecting from the terminal to perform non-signal recording. 2) Play back the recorded part. Measure the - 8 dB recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.		Normal, CrO ₂ & Metal tapes: More than 42 dB	Apply an input level to LINE IN terminals with the recording level controls set to maximum so that the peak level indicator reads 0 dB.
10	Checking erasing coefficient 1) Apply a 1 kHz - 20 dB signal to the LINE IN terminals. 2) Perform recording with the signal enhanced by 20 dB. 3) Erase a part of the recording. 4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.		More than 65 dB	For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter.

Electrical adjustments location

- Main Amp. P.C. Board (parts assembly side view)
(Turning in the direction of the arrow increases the level.)

Note:

The record a 1 kHz, - 20 dB signal is reference level (- 8 dBs) level, so - 20 dB is low level.

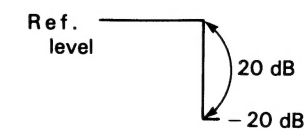
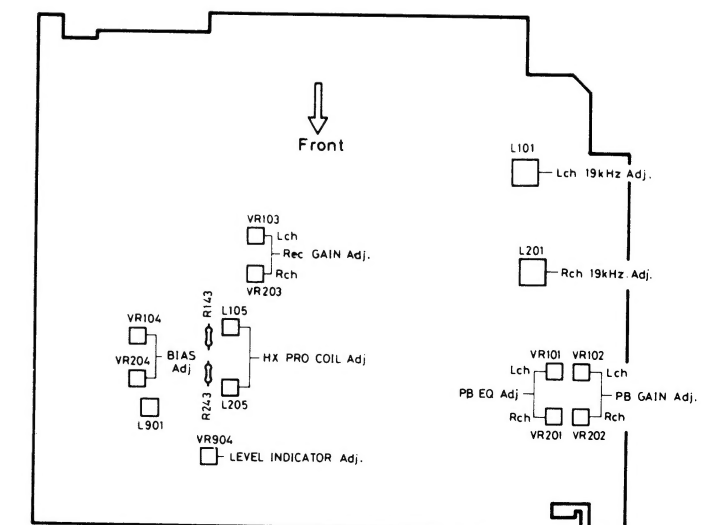


Fig. 6-1



7 Wiring

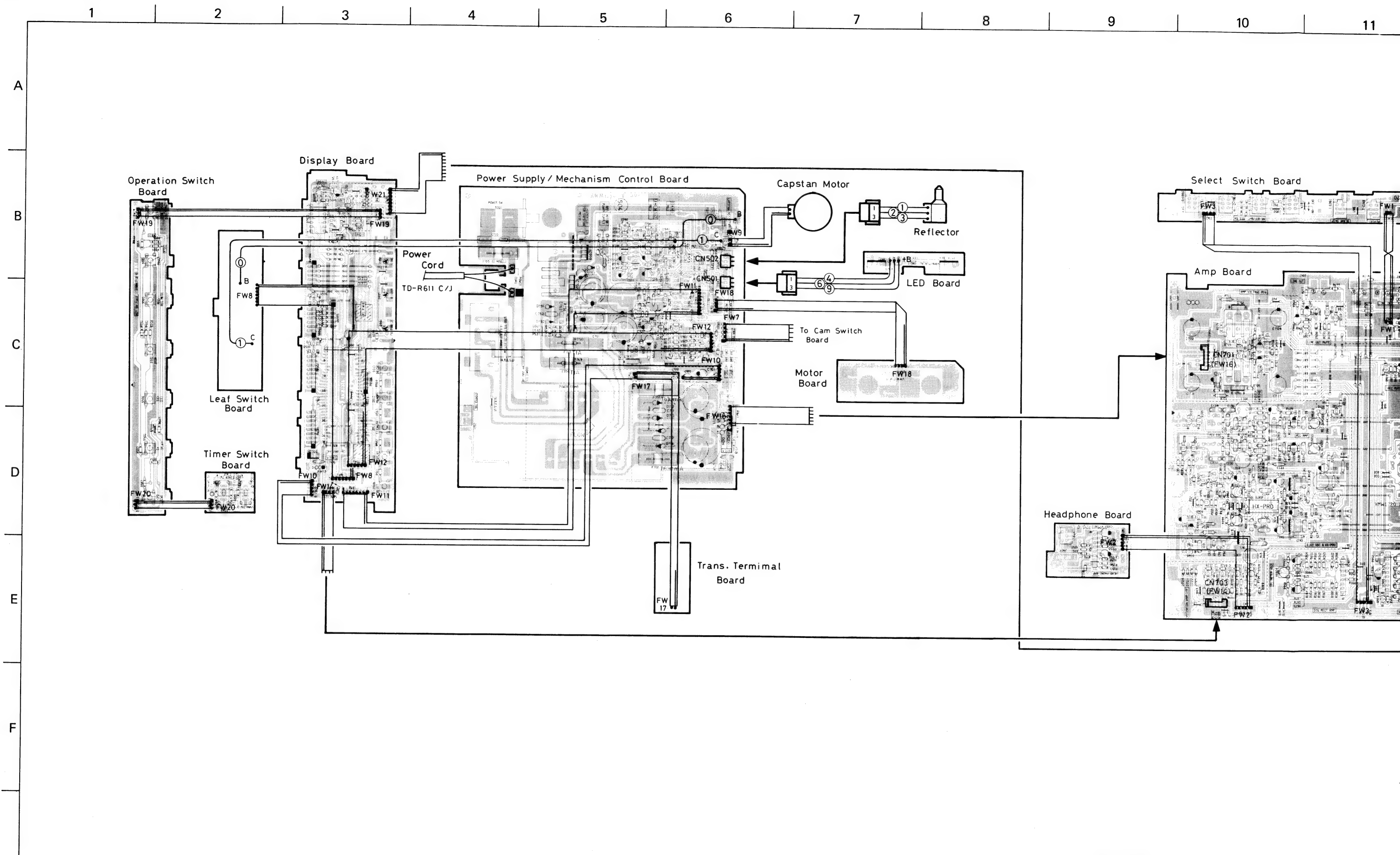
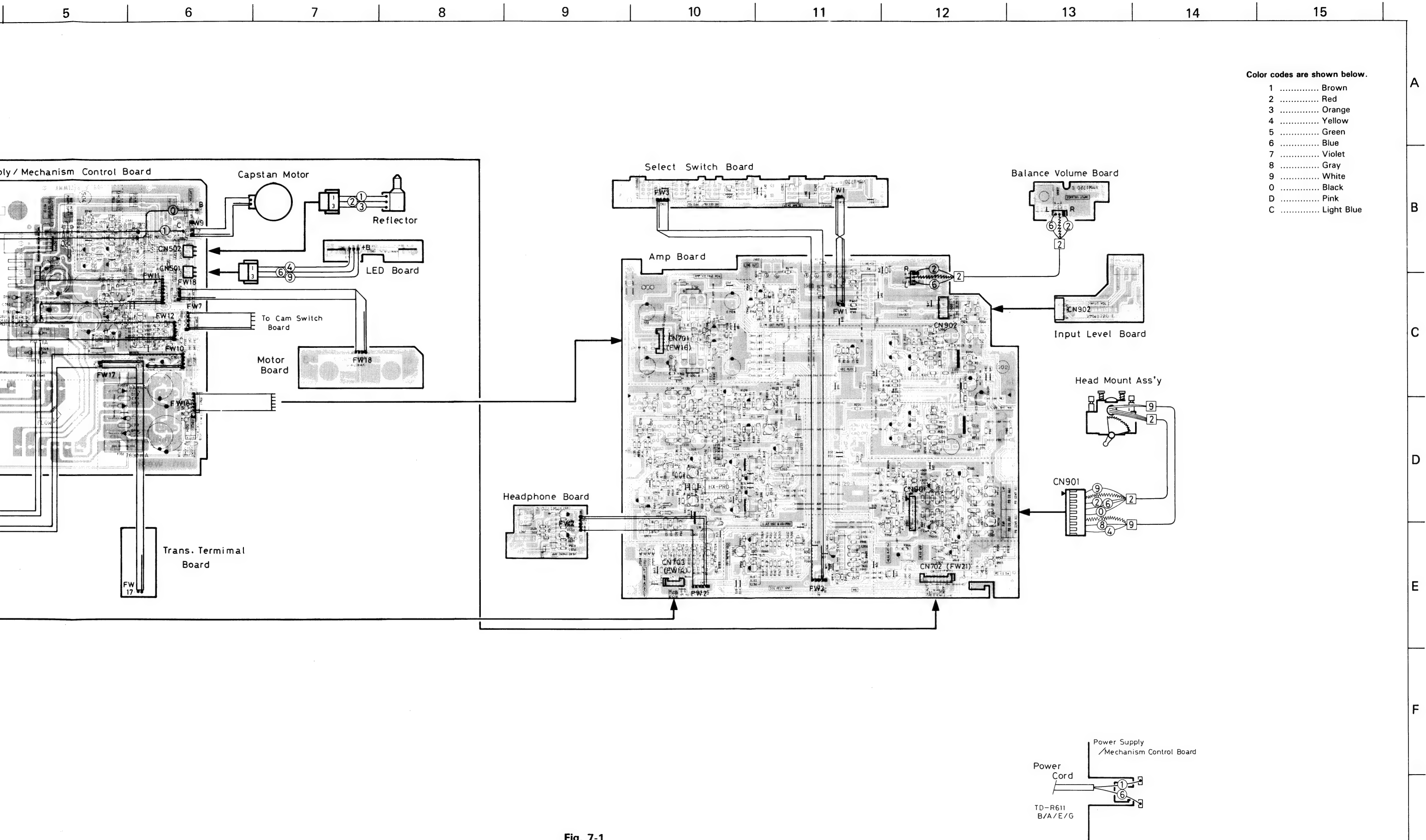


Fig. 7-1



8 Block Diagram

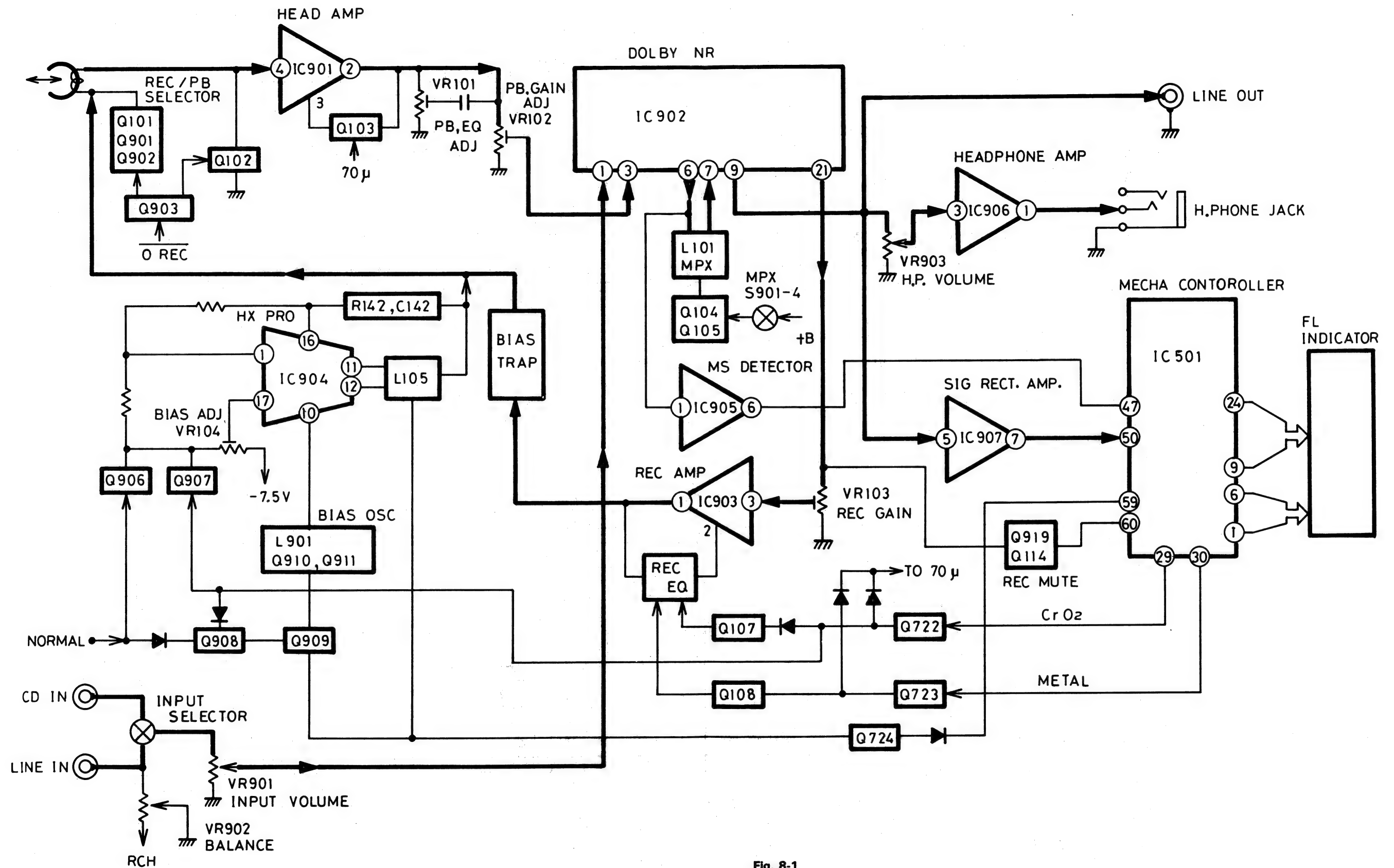


Fig. 8-1

9 Standard Schematic Diagram

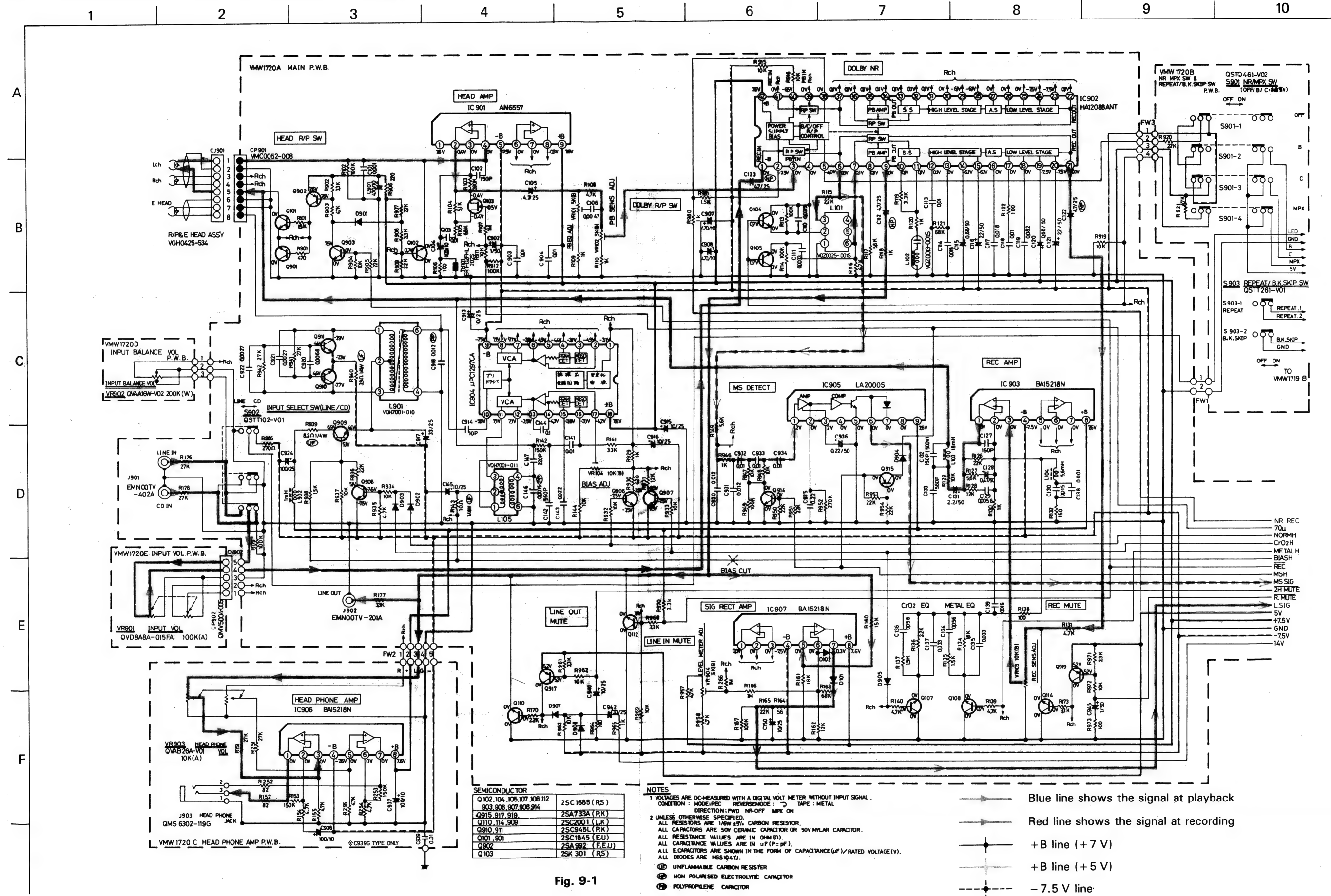


Fig. 9-1

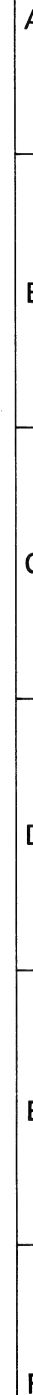


Fig. 9-2

MODEL ref	A/B/E/G	C	J
R701 R711	QRZ0052-4R7 (FUSIBLE RESISTOR)		QRD149J-4R7 (UF)
R756	QRZ0052-4R7 (FUSIBLE RESISTOR)		QRD149J-4R7S (UF)

Blue line shows the signal at playback

+B line (+7 V)

+B line (+5 V)

- 7.5 V line

parts are safety assurance parts.
When replacing those parts, make sure to
use the specified one.

10 Location of P.C. Board Parts and Parts List

Main Board

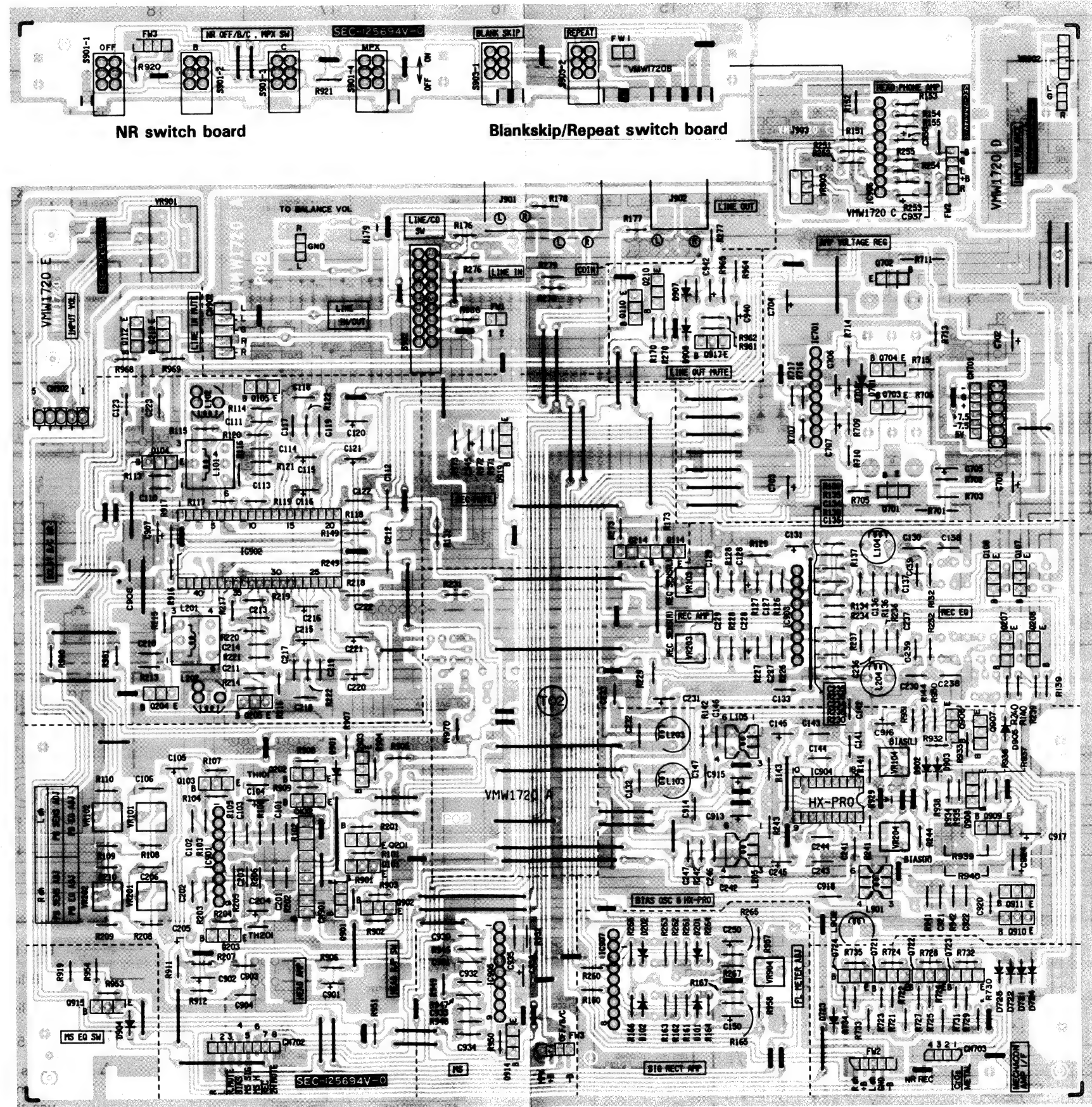


Fig. 10-1

10 Location of P.C. Board Parts and Parts List

■ Main Board

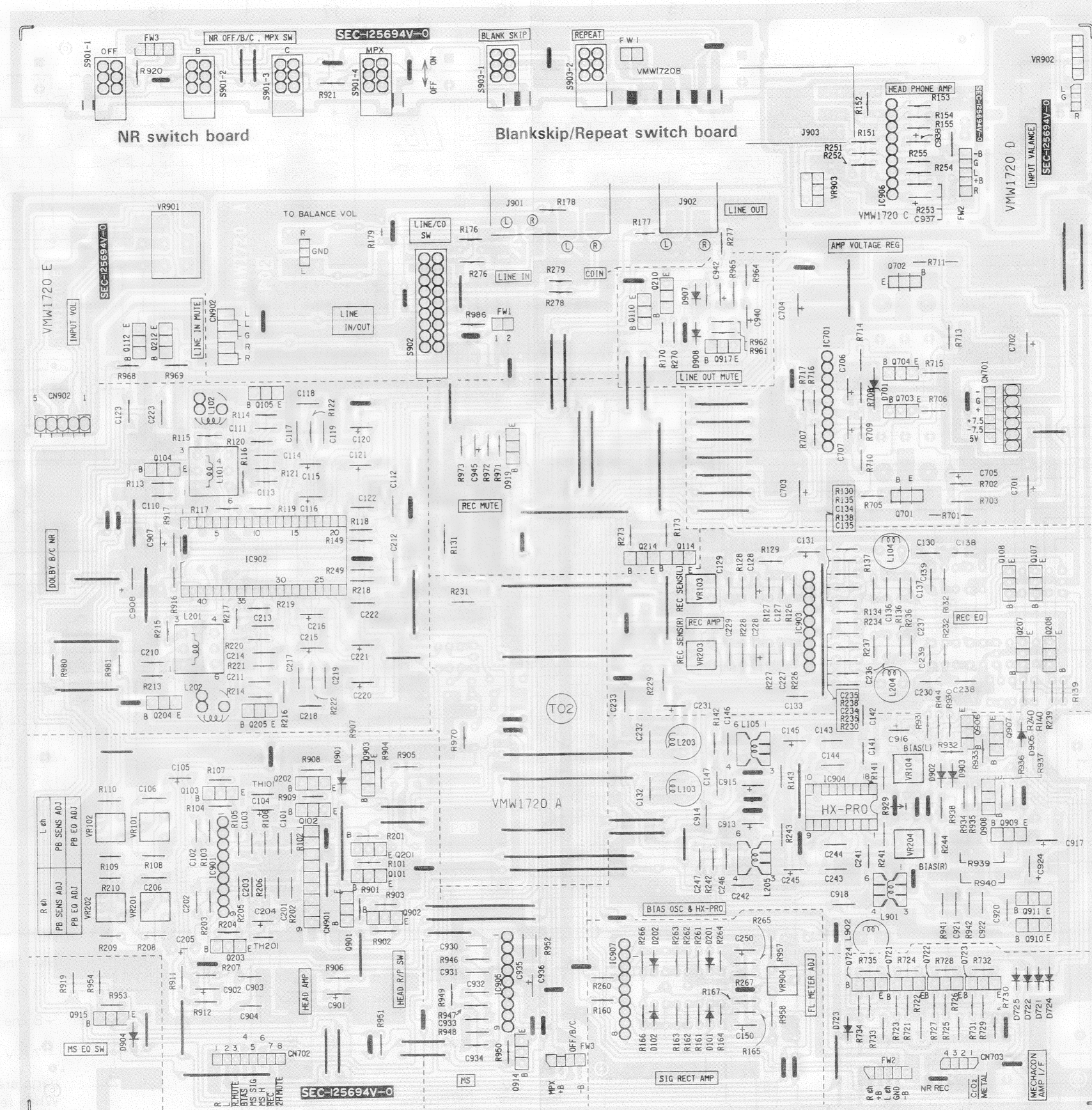


Fig. 10-1

Main Board Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF. NO	PARTS NO.	PARTS NAME
	CN701	VMC0106-006	CONNECTOR
	CN702	VMC0106-008	CONNECTOR
	CN703	VMC0106-004	CONNECTOR
	CP901	QMV5010-009	CONNECTOR
	CP902	QMV5004-005	CONNECTOR
	C101	QFN31HJ-102Z	M.CAPACITOR
	C102	QCS31HJ-151Z	C.CAPACITOR
	C103	QFV71HJ-103ZM	TF.CAPACITOR
	C104	QETC1AM-107ZN	E.CAPACITOR
	C105	QETC1EM-475ZN	E.CAPACITOR
	C106	QFN31HJ-472Z	M.CAPACITOR
	C110	QFN31HJ-152Z	M.CAPACITOR
	C111	QFN31HJ-332Z	M.CAPACITOR
	C112	QEN61EM-475Z	NP.E.CAPACITOR
	C113	QFV71HJ-103ZM	TF.CAPACITOR
	C114	QFV71HJ-183ZM	TF.CAPACITOR
	C115	QETC1HM-684ZN	E.CAPACITOR
	C116	QETC1HM-225ZN	E.CAPACITOR
	C117	QFV71HJ-183ZM	TF.CAPACITOR
	C118	QFV71HJ-103ZM	TF.CAPACITOR
	C119	QFV71HJ-823ZM	TF.CAPACITOR
	C120	QETC1HM-684ZN	E.CAPACITOR
	C121	QETC1HM-225ZN	E.CAPACITOR
	C122	QEN61EM-475Z	NP.E.CAPACITOR
	C123	QEN61EM-475Z	NP.E.CAPACITOR
	C127	QCS31HJ-151Z	C.CAPACITOR
	C128	QETC1HM-474ZN	E.CAPACITOR
	C129	QCY31HK-562Z	C.CAPACITOR
	C130	QFV71HJ-153ZM	TF.CAPACITOR
	C131	QETC1HM-225ZN	E.CAPACITOR
	C132	QCS12HJ-151V	C.CAPACITOR
	C133	QCS31HJ-561Z	C.CAPACITOR
	C134	QCC31EM-563ZV	C.CAPACITOR
	C135	QCC31EM-333ZV	C.CAPACITOR
	C136	QCC31EM-563ZV	C.CAPACITOR
	C137	QCC31EM-333ZV	C.CAPACITOR
	C138	QFN31HJ-102Z	M.CAPACITOR
	C139	QFV71HJ-153ZM	TF.CAPACITOR
	C141	QFV71HJ-103ZM	TF.CAPACITOR
	C142	QCY31HK-561Z	C.CAPACITOR
	C143	QFV71HJ-223ZM	TF.CAPACITOR
	C144	QFV71HJ-104ZM	TF.CAPACITOR
	C145	QETC1EM-106ZN	E.CAPACITOR
	C146	QFP82AJ-152	P.P.CAPACITOR
	C147	QCS31HJ-221Z	C.CAPACITOR
	C150	QETC1EM-106ZN	E.CAPACITOR
	C201	QFN31HJ-102Z	M.CAPACITOR
	C202	QCS31HJ-151Z	C.CAPACITOR
	C203	QFV71HJ-103ZM	TF.CAPACITOR
	C204	QETC1AM-107ZN	E.CAPACITOR
	C205	QETC1EM-475ZN	E.CAPACITOR
	C206	QFN31HJ-472Z	M.CAPACITOR
	C210	QFN31HJ-152Z	M.CAPACITOR
	C211	QFN31HJ-332Z	M.CAPACITOR
	C212	QEN61EM-475Z	NP.E.CAPACITOR
	C213	QFV71HJ-103ZM	TF.CAPACITOR
	C214	QFV71HJ-183ZM	TF.CAPACITOR
	C215	QETC1HM-684ZN	E.CAPACITOR
	C216	QETC1HM-225ZN	E.CAPACITOR
	C217	QFV71HJ-183ZM	TF.CAPACITOR
	C218	QFV71HJ-103ZM	TF.CAPACITOR
	C219	QFV71HJ-823ZM	TF.CAPACITOR
	C220	QETC1HM-684ZN	E.CAPACITOR
	C221	QETC1HM-225ZN	E.CAPACITOR
	C222	QEN61EM-475Z	NP.E.CAPACITOR
	C223	QEN61EM-475Z	NP.E.CAPACITOR
	C227	QCS31HJ-151Z	C.CAPACITOR
	C228	QETC1HM-474ZN	E.CAPACITOR
	C229	QCY31HK-562Z	C.CAPACITOR
	C230	QFV71HJ-153ZM	TF.CAPACITOR

△	REF. NO	PARTS NO.	PARTS NAME
	C231	QETC1HM-225ZN	E.CAPACITOR
	C232	QCS12HJ-151V	C.CAPACITOR
	C233	QCS31HJ-561Z	C.CAPACITOR
	C234	QCC31EM-563ZV	C.CAPACITOR
	C235	QCC31EM-333ZV	C.CAPACITOR
	C236	QCC31EM-563ZV	C.CAPACITOR
	C237	QCC31EM-333ZV	C.CAPACITOR
	C238	QFN31HJ-102Z	M.CAPACITOR
	C239	QFV71HJ-153ZM	TF.CAPACITOR
	C241	QFV71HJ-103ZM	TF.CAPACITOR
	C242	QCY31HK-561Z	C.CAPACITOR
	C243	QFV71HJ-223ZM	TF.CAPACITOR
	C244	QFV71HJ-104ZM	TF.CAPACITOR
	C245	QETC1EM-106ZN	E.CAPACITOR
	C246	QFP82AJ-152	P.P.CAPACITOR
	C247	QCS31HJ-221Z	C.CAPACITOR
	C250	QETC1EM-106ZN	E.CAPACITOR
	C703	QETC1AM-477ZN	E.CAPACITOR
	C704	QETC1AM-477ZN	E.CAPACITOR
	C705	QETC1EM-106ZN	E.CAPACITOR
	C706	QETC1AM-107ZN	E.CAPACITOR
	C707	QETC1AM-107ZN	E.CAPACITOR
	C901	QETC1AM-477ZN	E.CAPACITOR
	C902	QETC1HM-105ZN	E.CAPACITOR
	C903	QCF31HP-103Z	C.CAPACITOR
	C904	QCF31HP-103Z	C.CAPACITOR
	C907	QETC1AM-477ZN	E.CAPACITOR
	C908	QETC1AM-477ZN	E.CAPACITOR
	C913	QETC1EM-106ZN	E.CAPACITOR
	C914	QCS31HJ-100Z	C.CAPACITOR
	C915	QETC1EM-106ZN	E.CAPACITOR
	C916	QETC1EM-106ZN	E.CAPACITOR
	C917	QETC1EM-106ZN	E.CAPACITOR
	C918	QFP82AJ-123	PP CAPACITOR
	C920	QFN31HJ-562Z	M.CAPACITOR
	C921	QFN31HJ-272Z	M.CAPACITOR
	C922	QFN31HJ-272Z	M.CAPACITOR
	C924	QETC1EM-107ZN	E.CAPACITOR
	C930	QFV71HJ-123ZM	TF.CAPACITOR
	C931	QFV71HJ-123ZM	TF.CAPACITOR
	C932	QFV71HJ-103ZM	TF.CAPACITOR
	C933	QFV71HJ-103ZM	TF.CAPACITOR
	C934	QFV71HJ-103ZM	TF.CAPACITOR
	C935	QFV71HJ-224ZM	TF.CAPACITOR
	C936	QETB1HM-224N	E.CAPACITOR
	C937	QETC1AM-107ZN	E.CAPACITOR
	C938	QETC1AM-107ZN	E.CAPACITOR
	C939	QCF31HP-103Z	C.CAPACITOR
	C940	QETC1EM-106ZN	E.CAPACITOR
	C942	QETB1EM-336N	E.CAPACITOR
	C945	QETC1HM-105ZN	E.CAPACITOR
	D101	HSS104TJ	SI DIODE
	D102	HSS104TJ	SI DIODE
	D201	HSS104TJ	SI DIODE
	D202	HSS104TJ	SI DIODE
	D721	HSS104TJ	SI DIODE
	D722	HSS104TJ	SI DIODE
	D723	HSS104TJ	SI DIODE
	D724	HSS104TJ	SI DIODE
	D725	HSS104TJ	SI DIODE
	D901	HSS104TJ	SI DIODE
	D902	HSS104TJ	SI DIODE
	D903	HSS104TJ	SI DIODE
	D904	HSS104TJ	SI DIODE
	D905	HSS104TJ	SI DIODE
	D907	HSS104TJ	SI DIODE
	D908	HSS104TJ	SI DIODE
	IC701	BA15218N	I C
	IC901	AN6557	I C
	IC902	HA12088ANT	DOLBY NR I.C

△	REF. NO	PARTS NO.	PARTS NAME
	IC903	BA15218N	I C
	IC904	UPC1297CA	I C
	IC905	LA2000S	I C
	IC906	BA15218N	I C
	IC907	BA15218N	I C
	J901	EMN00TV-402A	PIN JACK
	J902	EMN00TV-201A	PIN JACK
	J903	QMS6302-119G	JACK
	L101	VQZ0025-001S	FILTER
	L102	VQZ0013-001S	FILTER
	L103	VQP0001-183S	INDUCTOR
	L104	VQP0001-562S	INDUCTOR
	L105	VQH7001-011	OSC COIL(BIAS)
	L201	VQZ0025-001S	FILTER
	L202	VQZ0013-001S	FILTER
	L203	VQP0001-183S	INDUCTOR
	L204	VQP0001-562S	INDUCTOR
	L205	VQH7001-011	OSC COIL(BIAS)
	L901	VQH7001-010	OSC COIL(BIAS)
	L902	VQP0001-102S	INDUCTOR
	Q101	2SC1845(E,U)-T	TRANSISTOR
	Q102	2SC1685(R,S)TA	TRANSISTOR
	Q103	2SK301(R,S)TA	TRANSISTOR
	Q104	2SC1685(R,S)TA	TRANSISTOR
	Q105	2SC1685(R,S)TA	TRANSISTOR
	Q107	2SC1685(R,S)TA	TRANSISTOR
	Q108	2SC1685(R,S)TA	TRANSISTOR
	Q110	2SC2001(L,K)-T	TRANSISTOR
	Q112	2SC1685(R,S)TA	TRANSISTOR
	Q114	2SC2001(L,K)-T	TRANSISTOR
	Q201	2SC1845(E,U)-T	TRANSISTOR
	Q202	2SC1685(R,S)TA	TRANSISTOR
	Q203	2SK301(R,S)TA	TRANSISTOR
	Q204	2SC1685(R,S)TA	TRANSISTOR
	Q205	2SC1685(R,S)TA	TRANSISTOR
	Q207	2SC1685(R,S)TA	TRANSISTOR
	Q208	2SC1685(R,S)TA	TRANSISTOR
	Q210	2SC2001(L,K)-T	TRANSISTOR
	Q212	2SC1685(R,S)TA	TRANSISTOR
	Q214	2SC2001(L,K)-T	TRANSISTOR
△	Q701	2SB772(Q,P)	TRANSISTOR
△	Q702	2SD882(Q,P)	TRANSISTOR
	Q703	2SC945L(P,K)-T	TRANSISTOR
	Q704	2SA733A(P,K)-T	TRANSISTOR
	Q721	2SA733A(P,K)-T	TRANSISTOR
	Q722	2SA733A(P,K)-T	TRANSISTOR
	Q723	2SA733A(P,K)-T	TRANSISTOR
	Q724	2SA733A(P,K)-T	TRANSISTOR
	Q901	2SC1845(E,U)-T	TRANSISTOR
	Q902	2SA992(F,E,U)-T	TRANSISTOR
	Q903	2SC1685(R,S)TA	TRANSISTOR
	Q906	2SC1685(R,S)TA	TRANSISTOR
	Q907	2SC1685(R,S)TA	TRANSISTOR
	Q908	2SC1685(R,S)TA	TRANSISTOR
	Q909	2SC2001(L,K)-T	TRANSISTOR
	Q910	2SC945L(P,K)-T	TRANSISTOR
	Q911	2SC945L(P,K)-T	TRANSISTOR
	Q914	2SC1685(R,S)TA	TRANSISTOR
	Q915	2SA733A(P,K)-T	TRANSISTOR
	Q917	2SA733A(P,K)-T	TRANSISTOR
	Q919	2SA733A(P,K)-T	TRANSISTOR
	R101	QRD161J-152Y	CARBON RESISTOR
	R102	QRD161J-104Y	CARBON RESISTOR
	R103	QRD161J-394Y	CARBON RESISTOR
	R104	QRD161J-512Y	CARBON RESISTOR
	R105	QRD161J-682Y	CARBON RESISTOR
	R106	QRD161J-101Y	CARBON RESISTOR
	R107	QRD161J-105Y	CARBON RESISTOR
	R108	QRD161J-472Y	CARBON RESISTOR
	R109	QRD161J-102Y	CARBON RESISTOR

△	REF. NO	PARTS NO.	PARTS NAME
	R110	QRD161J-102Y	CARBON RESISTOR
	R113	QRD161J-104Y	CARBON RESISTOR
	R114	QRD161J-104Y	CARBON RESISTOR
	R115	QRD161J-222Y	CARBON RESISTOR
	R116	QRD161J-472Y	CARBON RESISTOR
	R117	QRD161J-562Y	CARBON RESISTOR
	R118	QRD161J-102Y	CARBON RESISTOR
	R119	QRD161J-332Y	CARBON RESISTOR
	R120	QRD161J-102Y	CARBON RESISTOR
	R121	QRD161J-683Y	CARBON RESISTOR
	R122	QRD161J-101Y	CARBON RESISTOR
	R126	QRD161J-223Y	CARBON RESISTOR
	R127	QRD161J-562Y	CARBON RESISTOR
	R128	QRD161J-123Y	CARBON RESISTOR
	R129	QRD161J-103Y	CARBON RESISTOR
	R130	QRD161J-102Y	CARBON RESISTOR
	R131	QRD161J-472Y	CARBON RESISTOR
	R132	QRD161J-151Y	CARBON RESISTOR
	R134	QRD161J-182Y	CARBON RESISTOR
	R135	QRD161J-152Y	CARBON RESISTOR
	R136	QRD161J-222Y	CARBON RESISTOR
	R137	QRD161J-152Y	CARBON RESISTOR
	R138	QRD161J-101Y	CARBON RESISTOR
	R139	QRD161J-472Y	CARBON RESISTOR
	R140	QRD161J-472Y	CARBON RESISTOR
	R141	QRD161J-333Y	CARBON RESISTOR
	R142	QRD161J-154Y	CARBON RESISTOR
	R143	QRD149J-100S	CARBON RESISTOR
	R144	QRD161J-103Y	CARBON RESISTOR
	R149	QRD161J-562Y	CARBON RESISTOR
	R151	QRD161J-273Y	CARBON RESISTOR
	R152	QRD161J-820Y	CARBON RESISTOR
	R153	QRD161J-154Y	CARBON RESISTOR
	R154	QRD161J-472Y	CARBON RESISTOR
	R155	QRD161J-472Y	CARBON RESISTOR
	R160	QRD161J-153Y	CARBON RESISTOR
	R161	QRD161J-183Y	CARBON RESISTOR
	R162	QRD161J-123Y	CARBON RESISTOR
	R163	QRD161J-683Y	CARBON RESISTOR
	R164	QRD161J-560Y	CARBON RESISTOR
	R165	QRD161J-223Y	CARBON RESISTOR
	R166	QRD161J-105Y	CARBON RESISTOR
	R167	QRD161J-104Y	CARBON RESISTOR
	R170	QRD161J-222Y	CARBON RESISTOR
	R173	QRD161J-332Y	CARBON RESISTOR
	R176	QRD161J-273Y	CARBON RESISTOR
	R177	QRD161J-332Y	CARBON RESISTOR
	R178	QRD161J-273Y	CARBON RESISTOR
	R179	QRD161J-104Y	CARBON RESISTOR
	R201	QRD161J-152Y	CARBON RESISTOR
	R202	QRD161J-104Y	CARBON RESISTOR
	R203	QRD161J-394Y	CARBON RESISTOR
	R204	QRD161J-512Y	CARBON RESISTOR
	R205	QRD161J-682Y	CARBON RESISTOR
	R206	QRD161J-101Y	CARBON RESISTOR
	R207	QRD161J-105Y	CARBON RESISTOR
	R208	QRD161J-472Y	CARBON RESISTOR
	R209	QRD161J-102Y	CARBON RESISTOR
	R210	QRD161J-102Y	CARBON RESISTOR
	R213	QRD161J-104Y	CARBON RESISTOR
	R214	QRD161J-104Y	CARBON RESISTOR
	R215	QRD161J-222Y	CARBON RESISTOR
	R216	QRD161J-472Y	CARBON RESISTOR
	R217	QRD161J-562Y	CARBON RESISTOR
	R218	QRD161J-102Y	CARBON RESISTOR
	R219	QRD161J-332Y	CARBON RESISTOR
	R220	QRD161J-102Y	CARBON RESISTOR
	R221	QRD161J-683Y	CARBON RESISTOR
	R222	QRD161J-101Y	CARBON RESISTOR
	R226	QRD161J-223Y	CARBON RESISTOR

△	REF. NO	PARTS NO.	PARTS NAME
	R227	QRD161J-562Y	CARBON RESISTOR
	R228	QRD161J-123Y	CARBON RESISTOR
	R229	QRD161J-103Y	CARBON RESISTOR
	R230	QRD161J-102Y	CARBON RESISTOR
	R231	QRD161J-472Y	CARBON RESISTOR
	R232	QRD161J-151Y	CARBON RESISTOR
	R234	QRD161J-182Y	CARBON RESISTOR
	R235	QRD161J-152Y	CARBON RESISTOR
	R236	QRD161J-222Y	CARBON RESISTOR
	R237	QRD161J-152Y	CARBON RESISTOR
	R238	QRD161J-101Y	CARBON RESISTOR
	R239	QRD161J-472Y	CARBON RESISTOR
	R240	QRD161J-472Y	CARBON RESISTOR
	R241	QRD161J-333Y	CARBON RESISTOR
	R242	QRD161J-154Y	CARBON RESISTOR
	R243	QRD149J-100S	CARBON RESISTOR
	R244	QRD161J-103Y	CARBON RESISTOR
	R249	QRD161J-562Y	CARBON RESISTOR
	R251	QRD161J-273Y	CARBON RESISTOR
	R252	QRD161J-820Y	CARBON RESISTOR
	R253	QRD161J-154Y	CARBON RESISTOR
	R254	QRD161J-472Y	CARBON RESISTOR
	R255	QRD161J-472Y	CARBON RESISTOR
	R260	QRD161J-153Y	CARBON RESISTOR
	R261	QRD161J-183Y	CARBON RESISTOR
	R262	QRD161J-123Y	CARBON RESISTOR
	R263	QRD161J-683Y	CARBON RESISTOR
	R264	QRD161J-560Y	CARBON RESISTOR
	R265	QRD161J-223Y	CARBON RESISTOR
	R266	QRD161J-105Y	CARBON RESISTOR
	R267	QRD161J-104Y	CARBON RESISTOR
	R270	QRD161J-222Y	CARBON RESISTOR
	R273	QRD161J-332Y	CARBON RESISTOR
	R276	QRD161J-273Y	CARBON RESISTOR
	R277	QRD161J-332Y	CARBON RESISTOR
	R278	QRD161J-273Y	CARBON RESISTOR
	R279	QRD161J-104Y	CARBON RESISTOR
△	R701	QRD149J-4R7S	CARBON RESISTOR
	R702	QRD161J-103Y	CARBON RESISTOR
	R703	QRD161J-333Y	CARBON RESISTOR
	R705	QRD161J-102Y	CARBON RESISTOR
	R706	QRD161J-332Y	CARBON RESISTOR
	R707	QRD161J-331Y	CARBON RESISTOR
	R708	QRD161J-562Y	CARBON RESISTOR
	R709	QRD161J-152Y	CARBON RESISTOR
△	R710	QRD161J-181Y	CARBON RESISTOR
	R711	QRD149J-4R7S	CARBON RESISTOR
	R713	QRD161J-102Y	CARBON RESISTOR
	R714	QRD161J-102Y	CARBON RESISTOR
	R715	QRD161J-103Y	CARBON RESISTOR
	R716	QRD161J-472Y	CARBON RESISTOR
	R717	QRD161J-472Y	CARBON RESISTOR
	R721	QRD161J-473Y	CARBON RESISTOR
	R722	QRD161J-472Y	CARBON RESISTOR
	R723	QRD161J-822Y	CARBON RESISTOR
	R724	QRD161J-102Y	CARBON RESISTOR
	R725	QRD161J-473Y	CARBON RESISTOR
	R726	QRD161J-103Y	CARBON RESISTOR
	R727	QRD161J-472Y	CARBON RESISTOR
	R728	QRD161J-681Y	CARBON RESISTOR
	R729	QRD161J-473Y	CARBON RESISTOR
	R730	QRD161J-103Y	CARBON RESISTOR
	R731	QRD161J-472Y	CARBON RESISTOR
	R732	QRD161J-681Y	CARBON RESISTOR
	R733	QRD161J-332Y	CARBON RESISTOR
	R734	QRD161J-152Y	CARBON RESISTOR
	R735	QRD161J-221Y	CARBON RESISTOR
	R901	QRD161J-471Y	CARBON RESISTOR
	R902	QRD161J-332Y	CARBON RESISTOR
	R903	QRD161J-472Y	CARBON RESISTOR

△	REF. NO	PARTS NO.	PARTS NAME
	R904	QRD161J-103Y	CARBON RESISTOR
	R905	QRD161J-223Y	CARBON RESISTOR
	R906	QRD161J-221Y	CARBON RESISTOR
	R907	QRD161J-222Y	CARBON RESISTOR
	R908	QRD161J-332Y	CARBON RESISTOR
	R909	QRD161J-222Y	CARBON RESISTOR
	R911	QRD161J-103Y	CARBON RESISTOR
	R912	QRD161J-104Y	CARBON RESISTOR
	R915	QRD161J-103Y	CARBON RESISTOR
	R916	QRD161J-103Y	CARBON RESISTOR
	R919	QRD161J-103Y	CARBON RESISTOR
	R920	QRD161J-223Y	CARBON RESISTOR
	R921	QRD161J-472Y	CARBON RESISTOR
	R929	QRD161J-102Y	CARBON RESISTOR
	R930	QRD161J-621Y	CARBON RESISTOR
	R931	QRD161J-122Y	CARBON RESISTOR
	R932	QRD161J-103Y	CARBON RESISTOR
	R933	QRD161J-103Y	CARBON RESISTOR
	R934	QRD161J-103Y	CARBON RESISTOR
	R935	QRD161J-472Y	CARBON RESISTOR
	R936	QRD161J-222Y	CARBON RESISTOR
	R937	QRD161J-103Y	CARBON RESISTOR
	R938	QRD161J-152Y	CARBON RESISTOR
△	R939	QRD149J-8R2S	CARBON RESISTOR
△	R940	QRD149J-3R9S	CARBON RESISTOR
	R941	QRD161J-273Y	CARBON RESISTOR
	R942	QRD161J-273Y	CARBON RESISTOR
	R946	QRD161J-102Y	CARBON RESISTOR
	R947	QRD161J-103Y	CARBON RESISTOR
	R948	QRD161J-103Y	CARBON RESISTOR
	R949	QRD161J-104Y	CARBON RESISTOR
	R950	QRD161J-223Y	CARBON RESISTOR
	R951	QRD161J-223Y	CARBON RESISTOR
	R952	QRD161J-274Y	CARBON RESISTOR
	R953	QRD161J-223Y	CARBON RESISTOR
	R954	QRD161J-223Y	CARBON RESISTOR
	R957	QRD161J-472Y	CARBON RESISTOR
	R958	QRD161J-472Y	CARBON RESISTOR
	R961	QRD161J-332Y	CARBON RESISTOR
	R962	QRD161J-103Y	CARBON RESISTOR
	R963	QRD161J-103Y	CARBON RESISTOR
	R964	QRD161J-101Y	CARBON RESISTOR
	R965	QRD161J-102Y	CARBON RESISTOR
	R968	QRD161J-332Y	CARBON RESISTOR
	R969	QRD161J-103Y	CARBON RESISTOR
	R970	QRD161J-332Y	CARBON RESISTOR
	R971	QRD161J-332Y	CARBON RESISTOR
	R972	QRD161J-103Y	CARBON RESISTOR
	R973	QRD161J-101Y	CARBON RESISTOR
	R980	QRD161J-102Y	CARBON RESISTOR
	R981	QRD161J-152Y	CARBON RESISTOR
	R986	QRD161J-271Y	CARBON RESISTOR
	S901	QSTQ461-V02	PUSH SWITCH
	S902	QSTT102-V01	PUSH SWITCH
	S903	QSTT261-V01	PUSH SWITCH
	TH101	ERT-D2FHL202S	THERMISTOR
	TH201	ERT-D2FHL202S	THERMISTOR
	VR101	QVPA601-502	V.RESISTOR
	VR102	QVPA601-502	V.RESISTOR
	VR103	QVPA601-103	V.RESISTOR
	VR104	QVPA601-103	V.RESISTOR
	VR201	QVPA601-502	V.RESISTOR
	VR202	QVPA601-502	V.RESISTOR
	VR203	QVPA601-103	V.RESISTOR
	VR204	QVPA601-103	V.RESISTOR
	VR901	QVDBA8A-015FA	V.RESISTOR
	VR902	QVAA16W-V02	V.RESISTOR
	VR903	QVAB26A-V01	V.RESISTOR
	VR904	QVPA601-502	V.RESISTOR

Power Supply/Mechanism Control Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF. NO	PARTS NO.	PARTS NAME
	C501	QETC1AM-107ZN	E.CAPACITOR
	C502	QEK61CM-107ZN	E.CAPACITOR
	C531	QETC1HM-474ZN	E.CAPACITOR
	C541	QETC1EM-106ZN	E.CAPACITOR
	C551	QETC1HM-475ZN	E.CAPACITOR
	C552	QETC1AM-477ZN	E.CAPACITOR
	C553	QETC1AM-107ZN	E.CAPACITOR
	C554	QETC1AM-107ZN	E.CAPACITOR
△	C710	QFZ9010-103	M.CAPACITOR(A/B/E/G)
△	C710	QCZ9015-103	C.CAPACITOR(U)
△	C710	QCZ9014-103	C.CAPACITOR(C/J)
	C711	QCF31HP-103Z	C.CAPACITOR
	C712	QCF31HP-103Z	C.CAPACITOR
	C713	QETB1EM-338N	E.CAPACITOR
	C714	QETB1EM-338N	E.CAPACITOR
	C747	QCC31EM-104ZV	C.CAPACITOR
	C749	QCF31HP-473Z	C.CAPACITOR
	C750	QCS31HJ-271Z	C.CAPACITOR
	C751	QETB1EM-477N	E.CAPACITOR
	C752	QETB1VM-477N	E.CAPACITOR
	C753	QETB1EM-108N	E.CAPACITOR
	C754	QETB1AM-109N	E.CAPACITOR
	C755	QETC1AM-107ZN	E.CAPACITOR
	C756	QCF31HP-103Z	C.CAPACITOR
	C757	QCF31HP-103Z	C.CAPACITOR
	C758	QETC1EM-107ZN	E.CAPACITOR
	C759	QCF31HP-103Z	C.CAPACITOR
	C760	QETC1HM-106ZN	E.CAPACITOR
	C762	QCF31HP-103Z	C.CAPACITOR
	C763	QCF31HP-103Z	C.CAPACITOR
	C764	QETC1HM-106ZN	E.CAPACITOR
	D501	HSS104TJ	SI DIODE
	D502	HSS104TJ	SI DIODE
	D503	HSS104TJ	SI DIODE
	D504	HSS104TJ	SI DIODE
	D505	HSS104TJ	SI DIODE
	D506	HSS104TJ	SI DIODE
	D507	HSS104TJ	SI DIODE
	D508	HSS104TJ	SI DIODE
	D509	HSS104TJ	SI DIODE
	D511	HSS104TJ	SI DIODE
	D512	HSS104TJ	SI DIODE
△	D515	11E1-TB2	SI DIODE
	D531	HSS104TJ	SI DIODE
	D532	HSS104TJ	SI DIODE
	D533	HSS104TJ	SI DIODE
	D541	HSS104TJ	SI DIODE
	D551	HSS104TJ	SI DIODE
	D552	HSS104TJ	SI DIODE
	D553	HSS104TJ	SI DIODE
	D554	HSS104TJ	SI DIODE
	D555	HSS104TJ	SI DIODE
	D556	HSS104TJ	SI DIODE
	D571	HSS104TJ	SI DIODE
	D572	HSS104TJ	SI DIODE
	D573	LD-001MG	LED
	D574	LD-001MG	LED
	D581	HSS104TJ	SI DIODE
△	D711	11E1-TB2	SI DIODE
△	D712	11E1-TB2	SI DIODE
△	D713	11E1-TB2	SI DIODE
△	D714	11E1-TB2	SI DIODE
△	D751	11E1-TB2	SI DIODE
△	D752	11E1-TB2	SI DIODE
△	D755	11E1-TB2	SI DIODE
△	D756	11E1-TB2	SI DIODE
△	D757	11E1-TB2	SI DIODE
△	D758	RD5.6E(B3)	ZENER DIODE
△	D759	RD24E(B3)	ZENER DIODE

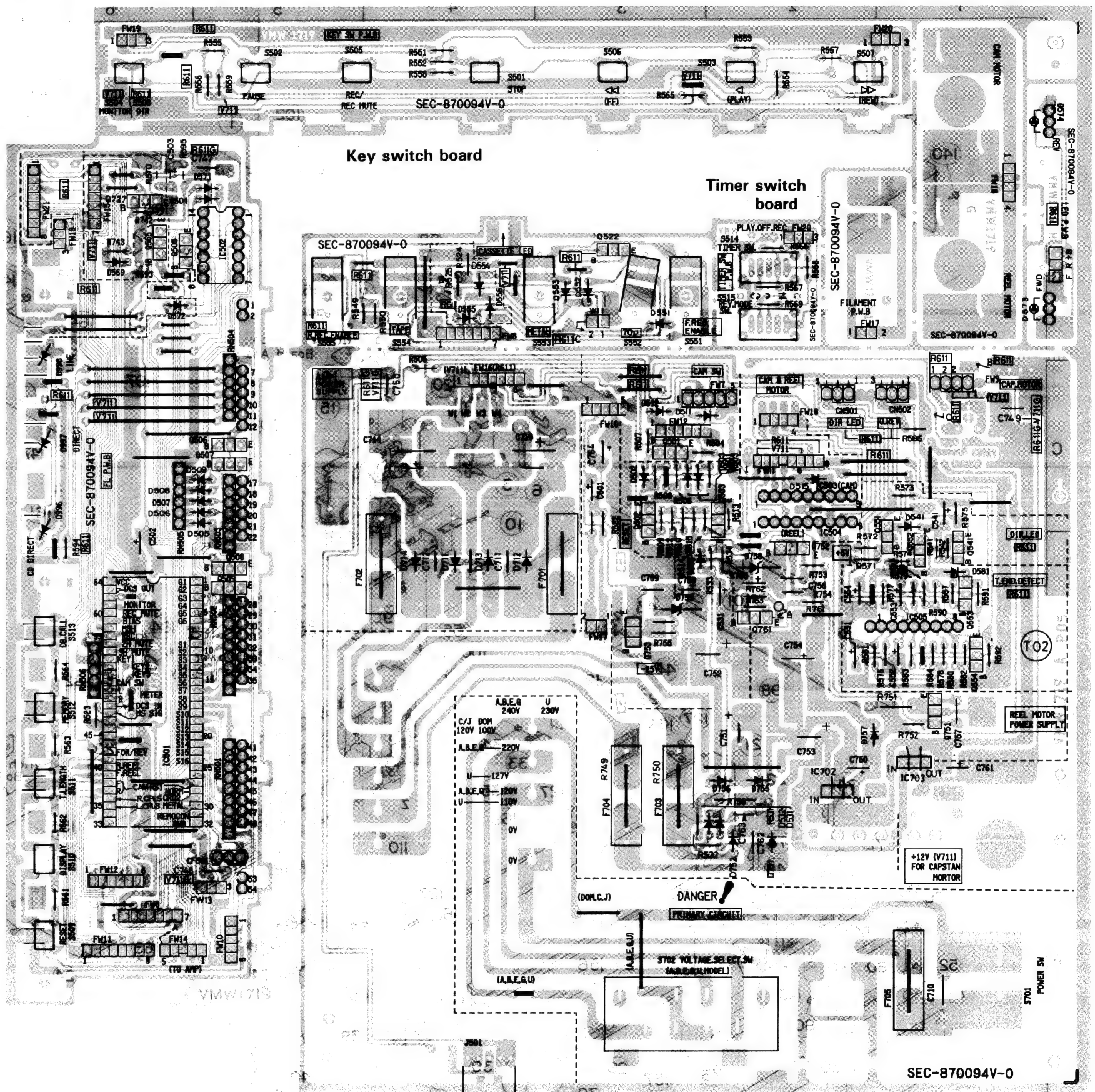
△	REF. NO	PARTS NO.	PARTS NAME
	D998	LN21RCPSL(O)J3	LED
	FL501	BG-502GK	FL TUBE
	IC501	MB88515B-549T	I C
	IC502	UPD4069UBC	I C
	IC503	BA6208A	I C
	IC504	BA6208A	I C
	IC505	BA15218N	I C
△	IC702	UPC78M10H	I C
	J501	QMS3533-001	JACK
	Q501	2SC945L(P,K)-T	TRANSISTOR
	Q502	2SC945L(P,K)-T	TRANSISTOR
	Q503	2SC945L(P,K)-T	TRANSISTOR
	Q505	2SC945L(P,K)-T	TRANSISTOR
	Q506	UN4211TA	TRANSISTOR
	Q507	UN4211TA	TRANSISTOR
	Q508	UN4211TA	TRANSISTOR
	Q509	UN4211TA	TRANSISTOR
	Q522	2SC945L(P,K)-T	TRANSISTOR
	Q541	2SC945L(P,K)-T	TRANSISTOR
	Q551	2SC945L(P,K)-T	TRANSISTOR
	Q552	2SC945L(P,K)-T	TRANSISTOR
	Q553	2SC1685(R,S)TA	TRANSISTOR
	Q554	2SC1685(R,S)TA	TRANSISTOR
	Q555	2SC945L(P,K)-T	TRANSISTOR
	Q751	2SC2001(L,K)-T	TRANSISTOR
	Q752	2SC2001(L,K)-T	TRANSISTOR
	Q753	2SB605(LA,KA)	TRANSISTOR
	RN501	QRB085J-473	NETWORK RESIST
	RN502	QRB085J-473	NETWORK RESIST
	RN503	QRB065J-223	NETWORK RESIST
	RN504	QRB055J-473	NETWORK RESIST
	RN505	QRB055J-223	NETWORK RESIST
	RN506	QRB045J-682	NETWORK RESISTOR
	R503	QRD161J-334Y	CARBON RESISTOR
	R504	QRD161J-473Y	CARBON RESISTOR
	R505	QRD161J-101Y	CARBON RESISTOR
	R506	QRD161J-471Y	CARBON RESISTOR
	R507	QRD161J-102Y	CARBON RESISTOR
	R508	QRD161J-471Y	CARBON RESISTOR
	R509	QRD161J-473Y	CARBON RESISTOR
	R510	QRD161J-222Y	CARBON RESISTOR
	R512	QRD161J-102Y	CARBON RESISTOR
	R513	QRD161J-471Y	CARBON RESISTOR
	R514	QRD161J-102Y	CARBON RESISTOR
	R515	QRD161J-102Y	CARBON RESISTOR
	R522	QRD161J-271Y	CARBON RESISTOR
	R523	QRD161J-103Y	CARBON RESISTOR
	R524	QRD161J-103Y	CARBON RESISTOR
	R525	QRD161J-223Y	CARBON RESISTOR
	R531	QRD161J-103Y	CARBON RESISTOR
	R532	QRD161J-103Y	CARBON RESISTOR
	R533	QRD161J-473Y	CARBON RESISTOR
	R534	QRD161J-473Y	CARBON RESISTOR
	R541	QRD161J-103Y	CARBON RESISTOR
	R542	QRD161J-103Y	CARBON RESISTOR
	R549	QRD161J-821Y	CARBON RESISTOR
	R550	QRD161J-681Y	CARBON RESISTOR
	R551	QRD161J-102Y	CARBON RESISTOR
	R552	QRD161J-122Y	CARBON RESISTOR
	R553	QRD161J-182Y	CARBON RESISTOR
	R554	QRD161J-752Y	CARBON RESISTOR
	R555	QRD161J-102Y	CARBON RESISTOR
	R556	QRD161J-122Y	CARBON RESISTOR
	R557	QRD161J-182Y	CARBON RESISTOR
	R558	QRD161J-272Y	CARBON RESISTOR
	R561	QRD161J-102Y	CARBON RESISTOR
	R562	QRD161J-122Y	CARBON RESISTOR
	R563	QRD161J-182Y	CARBON RESISTOR
	R564	QRD161J-272Y	CARBON RESISTOR
	R565	QRD161J-822Y	CARBON RESISTOR

■ Power Supply/Mechanism Control Board

LED board

REF. NO	PARTS NO.	PARTS NAME
R566	QRD161J-472Y	CARBON RESISTOR
R567	QRD161J-273Y	CARBON RESISTOR
R568	QRD161J-822Y	CARBON RESISTOR
R569	QRD161J-273Y	CARBON RESISTOR
R571	QRD161J-103Y	CARBON RESISTOR
R572	QRD161J-103Y	CARBON RESISTOR
R573	QRD161J-102Y	CARBON RESISTOR
R574	QRD161J-103Y	CARBON RESISTOR
R575	QRD161J-471Y	CARBON RESISTOR
R576	QRD161J-104Y	CARBON RESISTOR
R577	QRD161J-104Y	CARBON RESISTOR
R578	QRD161J-102Y	CARBON RESISTOR
R579	QRD161J-104Y	CARBON RESISTOR
R580	QRD161J-105Y	CARBON RESISTOR
R581	QRD161J-103Y	CARBON RESISTOR
R582	QRD161J-103Y	CARBON RESISTOR
R583	QRD161J-152Y	CARBON RESISTOR
R584	QRD161J-151Y	CARBON RESISTOR
R586	QRD161J-391Y	CARBON RESISTOR
R587	QRD161J-122Y	CARBON RESISTOR
R588	QRD161J-332Y	CARBON RESISTOR
R590	QRD161J-103Y	CARBON RESISTOR
R591	QRD161J-102Y	CARBON RESISTOR
R592	QRD161J-104Y	CARBON RESISTOR
R593	QRD161J-103Y	CARBON RESISTOR
R594	QRD161J-393Y	CARBON RESISTOR
R751	QRD149J-6R8S	CARBON RESISTOR
R752	QRD161J-471Y	CARBON RESISTOR
R753	QRD161J-221Y	CARBON RESISTOR
R754	QRD161J-471Y	CARBON RESISTOR
R755	QRD161J-102Y	CARBON RESISTOR
R756	QRD149J-4R7S	CARBON RESISTOR
S501	QSP1A11-V01	TACT SWITCH
S502	QSP1A11-V01	TACT SWITCH
S503	QSP1A11-V01	TACT SWITCH
S505	QSP1A11-V01	TACT SWITCH
S506	QSP1A11-V01	TACT SWITCH
S507	QSP1A11-V01	TACT SWITCH
S508	QSP1A11-V01M	TACT SWITCH
S509	QSP1A11-V01	TACT SWITCH
S510	QSP1A11-V01	TACT SWITCH
S511	QSP1A11-V01	TACT SWITCH
S512	QSP1A11-V01	TACT SWITCH
S513	QSP1A11-V01	TACT SWITCH
S514	QSS7A23-V05	SLIDE SWITCH
S515	QSS7A23-V05	SLIDE SWITCH
S551	VSH1140-002	LEAF SWITCH
S552	VSH1140-002	LEAF SWITCH
S553	VSH1140-002	LEAF SWITCH
S554	VSH1140-002	LEAF SWITCH
S555	VSH1140-002	LEAF SWITCH
S702	QSS2325-114	SLIDE SWITCH
S702	QSS2325-114BS	SLIDE SWITCH(B VERSION)
S702	QSS2325-112	SLIDE SWITCH(110/127/230V)
	VMZ0043-001S	FUSE CLAMP
CF501	EFO-FC6004A5	CERA LOCK
CP501	QMV5005-003	CONNECTOR
CP502	QMV5005-003	CONNECTOR

Display board



Power Supply/Mechanism Control Board

REF. NO	PARTS NO.	PARTS NAME
R566	QRD161J-472Y	CARBON RESISTOR
R567	QRD161J-273Y	CARBON RESISTOR
R568	QRD161J-822Y	CARBON RESISTOR
R569	QRD161J-273Y	CARBON RESISTOR
R571	QRD161J-103Y	CARBON RESISTOR
R572	QRD161J-103Y	CARBON RESISTOR
R573	QRD161J-102Y	CARBON RESISTOR
R574	QRD161J-103Y	CARBON RESISTOR
R575	QRD161J-471Y	CARBON RESISTOR
R576	QRD161J-104Y	CARBON RESISTOR
R577	QRD161J-104Y	CARBON RESISTOR
R578	QRD161J-102Y	CARBON RESISTOR
R579	QRD161J-104Y	CARBON RESISTOR
R580	QRD161J-105Y	CARBON RESISTOR
R581	QRD161J-103Y	CARBON RESISTOR
R582	QRD161J-103Y	CARBON RESISTOR
R583	QRD161J-152Y	CARBON RESISTOR
R584	QRD161J-151Y	CARBON RESISTOR
R586	QRD161J-391Y	CARBON RESISTOR
R587	QRD161J-122Y	CARBON RESISTOR
R588	QRD161J-332Y	CARBON RESISTOR
R590	QRD161J-103Y	CARBON RESISTOR
R591	QRD161J-102Y	CARBON RESISTOR
R592	QRD161J-104Y	CARBON RESISTOR
R593	QRD161J-103Y	CARBON RESISTOR
R594	QRD161J-393Y	CARBON RESISTOR
R751	QRD149J-6R8S	CARBON RESISTOR
R752	QRD161J-471Y	CARBON RESISTOR
R753	QRD161J-221Y	CARBON RESISTOR
R754	QRD161J-471Y	CARBON RESISTOR
R755	QRD161J-102Y	CARBON RESISTOR
R756	QRD149J-4R7S	CARBON RESISTOR
S501	QSP1A11-V01	TACT SWITCH
S502	QSP1A11-V01	TACT SWITCH
S503	QSP1A11-V01	TACT SWITCH
S505	QSP1A11-V01	TACT SWITCH
S506	QSP1A11-V01	TACT SWITCH
S507	QSP1A11-V01	TACT SWITCH
S508	QSP1A11-V01M	TACT SWITCH
S509	QSP1A11-V01	TACT SWITCH
S510	QSP1A11-V01	TACT SWITCH
S511	QSP1A11-V01	TACT SWITCH
S512	QSP1A11-V01	TACT SWITCH
S513	QSP1A11-V01	TACT SWITCH
S514	QSS7A23-V05	SLIDE SWITCH
S515	QSS7A23-V05	SLIDE SWITCH
S551	VSH1140-002	LEAF SWITCH
S552	VSH1140-002	LEAF SWITCH
S553	VSH1140-002	LEAF SWITCH
S554	VSH1140-002	LEAF SWITCH
S555	VSH1140-002	LEAF SWITCH
S702	QSS2325-114	SLIDE SWITCH
S702	QSS2325-114BS	SLIDE SWITCH(B VERSION)
S702	QSS2325-112	SLIDE SWITCH(110/127/230V)
CF501	VMZ0043-001S	FUSE CLAMP
CP501	EFO-FC6004A5	CERA LOCK
CP502	QMV5005-003	CONNECTOR
CP502	QMV5005-003	CONNECTOR

Display board

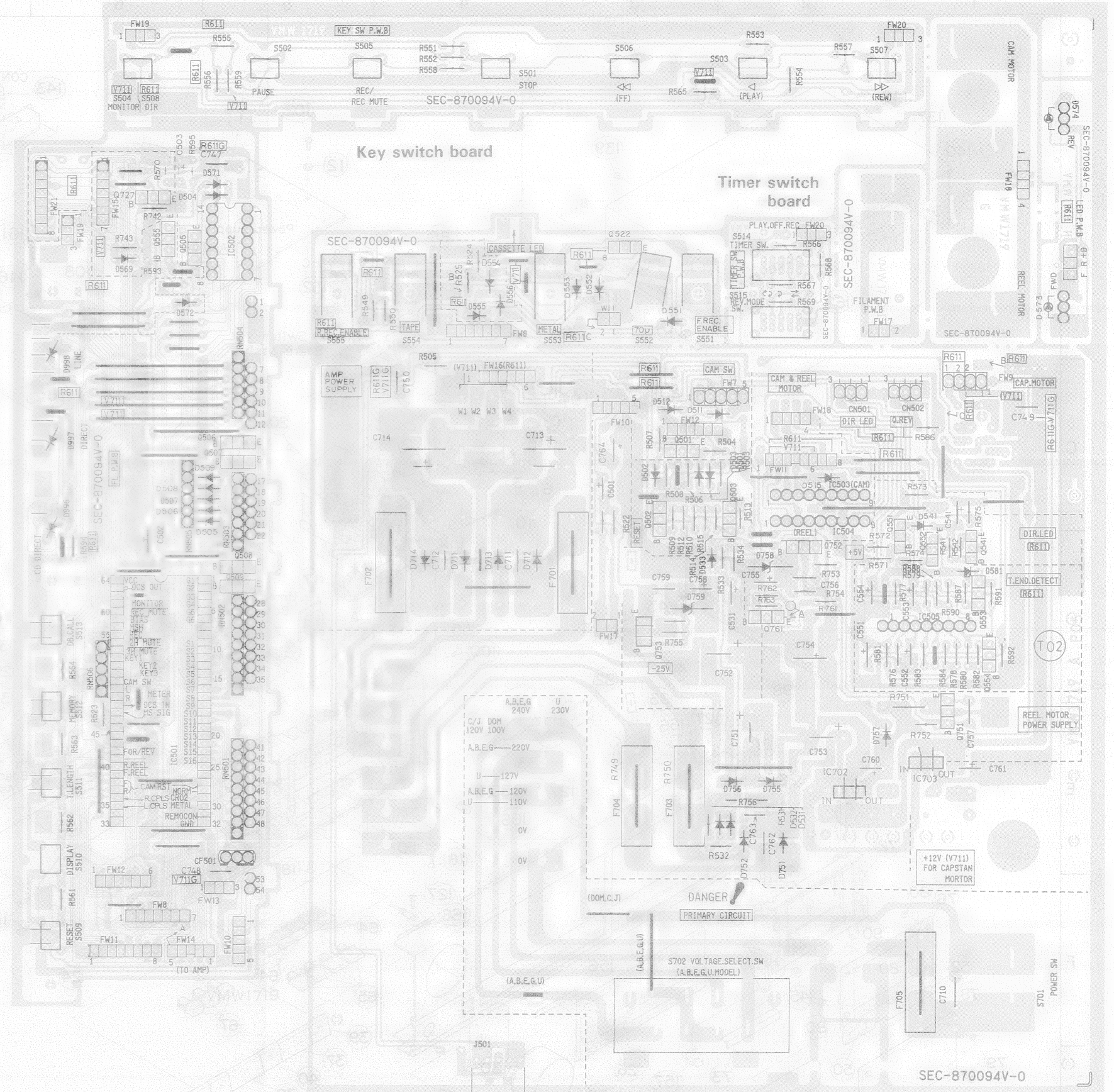


Fig. 10-2

Power/supply/Mechanism control board

11 Exploded View of Enclosure Assembly Parts and Parts List

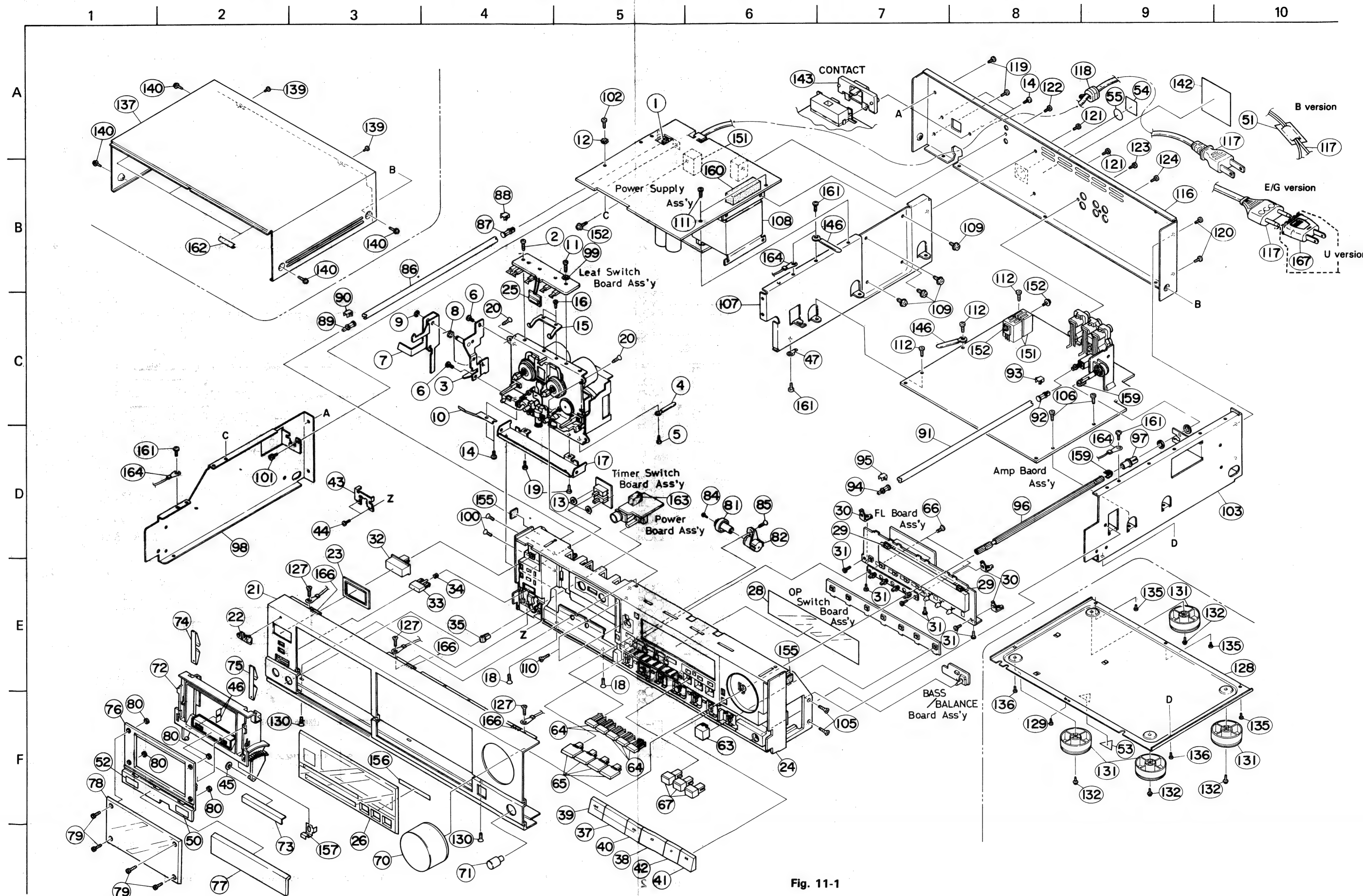


Fig. 11-1

Enclosure Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△ REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
△ 1	QSP1106-004	PUSH SWITCH	S701	1
2	SDST2608Z	SCREW	FOR LEAF SWITCH	1
3	VKL6200-00A	EJECT BKT ASS'Y		1
4	VKZ4001-007	WIRE CLAMP		1
5	SDST2604Z	SCREW	FOR HEAD WIRE	1
6	SDST2606Z	SCREW	FOR EJECT BRACKET	2
7	VKL3908-001	EJECT LEVER		1
8	VKW4688-002	TORSION SPRING		1
9	REE2500X	E RING	FOR EJECT LEVER	1
10	VKY4497-003	HOLDER SPRING		1
11	SDST2610Z	SCREW	FOR LEAF SWITCH	1
12	WBS3000N	WASHER		1
13	VYSS2R2-016	SPACER		2
14	SDST2603Z	SCREW	FOR HOLDER SPRING	2
15	VKY4279-001	PACK SPRING		1
16	SDST2604Z	SCREW	FOR PACK SPRING	2
17	VKL3883-001	MECHA.BRACKET		1
18	SSST3006Z	SCREW	FOR M.BRACKET	2
19	SDST2604Z	SCREW	FOR MECHANISM(BOTTOM	2
20	SSSF3010Z	SCREW	FOR FRONT PANEL	2
21	VJC1618-002	FRONT PLATE		1
22	PQ42376-001	JVC MARK		1
23	E73878-002	P.BUTTON ESCUTC		1
24-1	VJC1619-003	FRONT PANEL	TD-R611A/B/C/E/G/U	1
24-2	VJC1619-004UL	FRONT PANEL	TD-R611J	1
25	LD-702YU	L.E.D		1
26	VJK3397-006	FINDER		1
29	VYSH105-034	SPACER		2
30	VYH4638-001	BRACKET		3
31	SDST3004Z	SCREW		6
32	E73877-001	PUSH BUTTON	FOR POWER	1
33	VXP4349-00A	PUSH BUTTON		1
34	VKW3001-063	COMP.SPRING	FOR PUSH BUTTON	1
35	E72431-005	KNOB	FOR OUTPUT	1
37	VXP3221-001	MECHA BUTTON	FOR PLAY	1
38	VXP3221-002	MECHA BUTTON	FOR STOP	1
39	VXP3221-003	MECHA BUTTON	FOR REW	1
40	VXP3221-004	MECHA BUTTON	FOR FF	1
41	VXP3221-005	MECHA BUTTON	FOR PAUSE	1
42	VXP3221-006	MECHA BUTTON	REC/REC MUTE	1
43	VKL6350-002	KNOB BRACKET		1
44	SDSF2606Z	SCREW	FOR KNOB BRACKET	2
45	Q03093-817	WASHER	FOR CASSETTE HOLDER	1
46	VYSA1R4-058	SPACER	FOR CASSETTE DOOR	2
47	50242-2	LUG TERMINAL		1
50	TJL000420-01	CAUTION LABEL	TD-R611B	1
51	QZL1002-003	WARNING LABEL	TD-R611B	1
52	VNC5004-001	MARK STICKER	TD-R611B/E/G	1
53	VND4113-001	G.CAUTION CARD	TD-R611B/J	1
54	T44362-001	CSA LABEL	TD-R611C	1
55	VND4037-002	F MARK	TD-R611G	1
63	VXP4686-002	PUSH BUTTON	FOR DIRECTION	1
64	VXP4575-001	PUSH BUTTON	FOR RESET	5
65	E71268-002	PUSH KNOB	FOR NR SERECT	4
66	SDSF2608Z	SCREW	FOR FOR NR SWITCH	2

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	67	VXP4307-010	PUSH BUTTON	B.SKIP/REPEAT/CD	3
	70	E302479-004	VOLUME KNOB	FOR INPUT	1
	71	VXL4166-003	KNOB	FOR BALANCE	1
	72	VJT2153-001	CASSETTE DOOR		1
	73	VJD5081-005	HOLDER PLATE		1
	74	VKY4382-007	CASSETTE SPRING	FOR LEFT SIDE	1
	75	VKY4382-008	CASSETTE SPRING	FOR RIGHT SIDE	1
	76	VJT3221-001	CASSETTE LID		1
		V04062-001	SIEMENS PLUG	TD-R611U	1
	77	VJT3222-003	LID PLATE		1
	78	VJT3223-003	CASSETTE FINDER		1
	79	BYS3006M	S.BOLT	FOR CASSETTE LID	4
	80	NTB3000	NUT	FOR CASSETTE LID	4
	81	VYH4769-002	GEAR	GREACE NO.G332	1
	82	VYH5033-002	DAMPER HOLDER		1
	84	SBSB2004Z	SCREW	FOR GEAR	1
	85	SSSF3010Z	SCREW	FOR DAMPER HOLDER	1
	86	VKS4989-002	REMOTE BAR	FOR POWER SWITCH	1
	87	VKS4990-001	SWITCH CONTACT	FOR POWER SWITCH	1
	88	VKL6207-001	STOPPER	FOR POWER SWITCH	1
	89	VKS4991-001	BUTTON CONTACT	FOR POWER SWITCH	1
	90	VKL6207-001	STOPPER	FOR POWER SWITCH	1
	91	VKS4989-002	REMOTE BAR	FOR CD SELECT	1
	92	VKS4990-001	SWITCH CONTACT	FOR CD SELECT	1
	93	VKL6207-001	STOPPER	FOR CD SELECT	1
	94	VKS4991-001	BUTTON CONTACT	FOR CD SELECT	1
	95	VKL6207-001	STOPPER	FOR CD SELECT	1
	96	VKH5027-002	VOLUME SHAFT		1
	97	VKS4992-002	VOLUME CONTACT		1
	98	VKL3884-001	SIDE CHASSIS(L)		1
	99	WBS2600N	WASHER	FOR LEAF SWITCH	1
△	F702	QMF51A2-R63	FUSE	TD-R611A/E/G	2
△		QMF51E2-R63BS	FUSE	TD-R611B	2
△	F704	QMF51A2-1R0	FUSE	TD-R611A/E/G	2
△		QMF51E2-1R0BS	FUSE	TD-R611B	2
	100	SSST3006Z	SCREW	FOR LEFT SIDE	2
	101	LPSP3006Z	SCREW	FOR POWER SWITCH	1
	102	SDST3006Z	SCREW	FOR P.SUPPLY BOARD	1
	103	VKL3891-001	SIDE CHASSIS(R)		1
	105	SSST3006Z	SCREW	FOR RIGHT SIDE	2
	106	SDST3006Z	SCREW	FOR AMP. BOARD	2
	107	VKL3892-001	CENTER CHASSIS		1
△	108	VTP60A9-011B	POWER TRANS	T1 TD-R611C/J	1
△		VTP60C9-011B	POWER TRANS	T1 TD-R611A/E/G	1
△		VTP60C9-011BBS	POWER TRANS	T1 TD-R611B	1
△		VTP60G9-011B	POWER TRANS	T1 TD-R611U	1
	109	SDSB4008M	SCREW	FOR P.TRANSFORMER	4
	110	SSST3008Z	SCREW		2
	111	SDST3006Z	SCREW	FOR P.SUPPLY BOARD	2
	112	SDST3006Z	SCREW	FOR AMP. BOARD	3
	116	VJC2301-003	REAR PANEL	TD-R611C/J	1
		VJC2301-004	REAR PANEL	TD-R611A/B/E/G/U	1
△	117	QMP1900-200	POWER CORD	TD-R611C/J	1
△		QMP2560-200	POWER CORD	TD-R611A	1

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
△	117	QMP3900-200	POWER CORD	TD-R611E/G	1
△		QMP7380-200	POWER CORD	TD-R611U	1
△		QMP9017-008BS	POWER CORD	TD-R611B	1
△	118	QHS3876-162	S.R.BUSHING	TD-R611A/C/E/G/J/U	1
△		QHS3876-162BS	S.R.BUSHING	TD-R611B	1
	119	SDST3006M	SCREW	FOR REAR	2
	120	SDST3006M	SCREW	FOR REAR	2
	121	SDST3006M	SCREW	FOR REAR	2
	122	SDSF3010M	SCREW	FOR DCS JACK	1
	123	SDSF3010M	SCREW	FOR PIN JACK	1
	124	SDSF3010M	SCREW	FOR PIN JACK	1
	127	SSSF3010Z	SCREW		3
	128	VJC1547-005	BOTTOM COVER		1
	129	SDSF3010Z	SCREW	FOR BOTTOM	1
	130	SDSF3010Z	SCREW	FOR FRONT PLATE	2
	131	E74205-002	FOOT ASS'Y		4
	132	GBST3008Z	TH.TAP.SCREW	FOR FOOT	4
	135	SDST3006Z	SCREW	FOR BOTTOM(REAR)	3
	136	SDST3006Z	SCREW	FOR BOTTOM (SIDE)	2
	137	VJC1622-002	TOP COVER		1
	139	SDST3006M	SCREW	FOR TOP COVER	2
	140	VKZ3001-004	SPECIAL SCREW	FOR TOP COVER	2
		VKZ3001-004	SPECIAL SCREW	FOR TOP COVER	2
	141	SDSF3008M	SCREW	TD-R611A/B/E/G/U	2
△	142	VYN2206-002PA	NAME PLATE	TD-R611A/B/G	1
△		VYN2206-005PA	NAME PLATE	TD-R611E	1
△		VYN2206-006PA	NAME PLATE	TD-R611J	1
△		VYN2206-007PA	NAME PLATE	TD-R611U	1
	143	VKS5011-001	VOLTAGE CONTACT	TD-R611A/E/G/U	1
	146	VKZ4001-011	WIRE HOLDER		2
△	151	VMH4015-H25B	HEAT SINK	FOR Q701/Q702	2
△		VMH4015-H25B	HEAT SINK	FOR IC702	1
	152	LPSP3008Z	ASS'Y SCREW	FOR Q701/Q702	2
		LPSP3008Z	ASS'Y SCREW	FOR IC702	1
	155	VYSR101-015	SPACER	FOR FRONT PANEL	2
	156	VYTT488-002	L.D.S.SHEET		1
	157	VKY4535-001	EARTH PLATE	FOR CASSETTE DOOR	1
	159	VYSA1R2-008	SPACER	FOR VOLUME	1
		VYSA1R2-008	SPACER	FOR VOLUME SHAFT	1
	160	VYSH115-008	SPACER	FOR P.SUPPLY BOARD	1
	161	SDST3006Z	SCREW		1
		SDST3006Z	SCREW		3
		SDST3006Z	SCREW		1
	162	VYSA1R8-027	SPACER	FOR TOP COVER	3
	163	VYSR105-004	SPACER	FOR H.PHONE BOARD	1
	164	VWE350-08NTNT	LUG WIRE		3
	166	VYSH104-022	SPACER	FOR FRONT PLATE	3
	167	V04062-001	CONTHI. PLUG	TD-R611 U	1

△ parts are safety assurance parts.

Assembly Parts List

When replacing those parts, make sure to use the specified one.

22,23,24-2	ZCTDR611J-FBK	Front Panel Ass'y	TD-R611J only	1
22,23,24-1	ZCTDR611K-FBK	Front Panel Ass'y	Except J. Version	1
76~80	ZCTDR611K-CLBK	Cassette Lid Ass'y		1
72~76	ZCTDR611K-CH	Cassette Holder Ass'y		1

12 Exploded View of Mechanism Assembly and Parts List

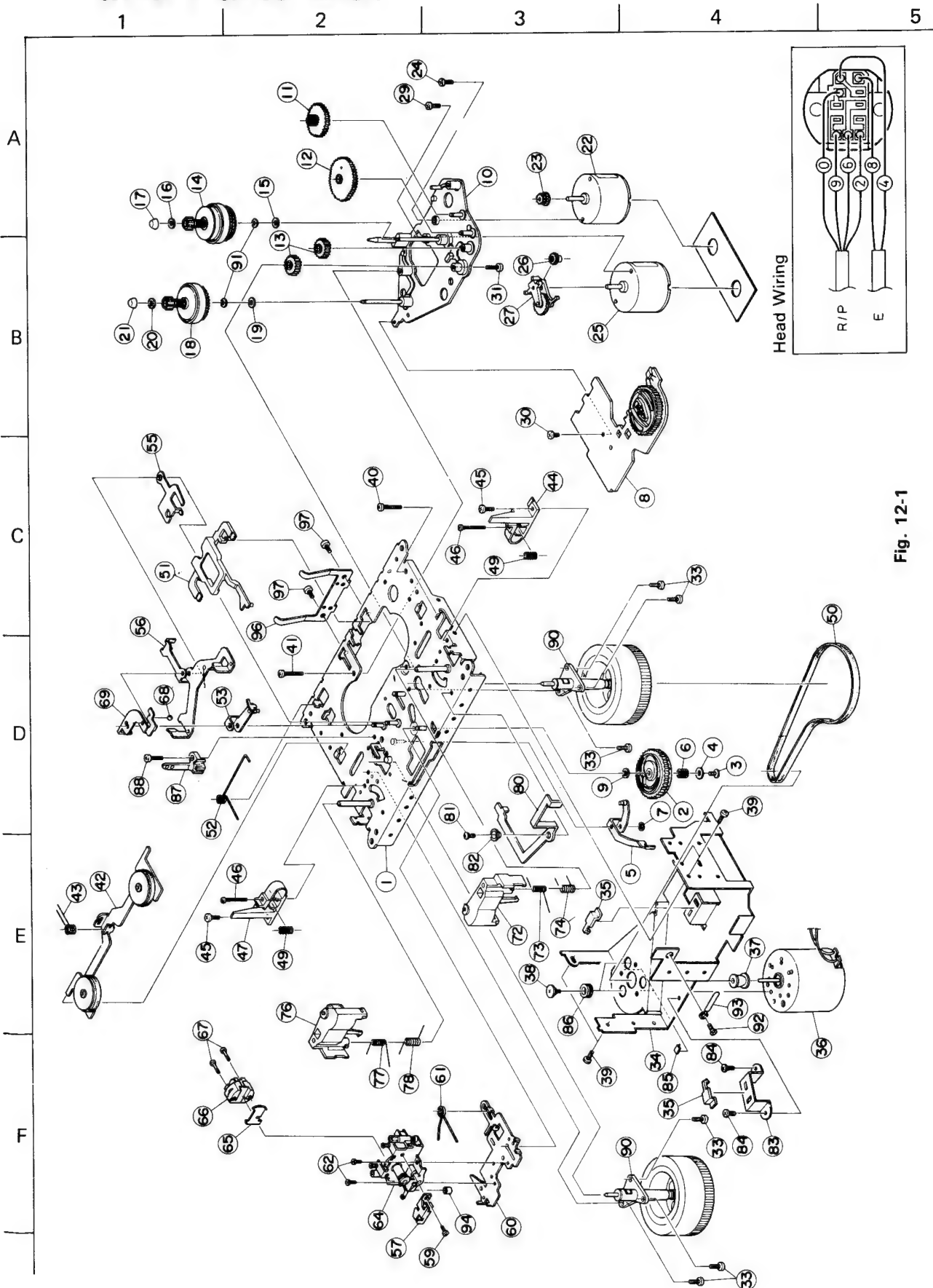


Fig. 12-1

Mechanism Component Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	ICM3	DN6838A	HALL I.C	ICM1	2
	1	VKL2251-00H	CHASSIS BS ASSY		1
	2	VKS2122-001	P.ROLLER CAM		1
	3	VKZ4340-002	SCREW		1
	4	VKZ4284-002	WASHER		1
	5	VKL5333-00C	HEAD LEVER ASSY		1
	6	VKW4760-001	C.SPRING		1
	7	REE1500	E.RING		1
	8	VKZ3136-00C	CAM SWITCH ASSY		1
	9	VKZ4003-010	FELT		1
	10	VKL2173-00E	DISK BASE ASS'Y		1
	11	VKR3001-001	GEAR(2)		1
	12	VKR3001-002	GEAR(2)		1
	13	VKR3000-001	GEAR(1)		2
	14	VKR4325-00C	R.DISK ASS'Y(5)		1
	15	VKZ4003-010	FELT	BACK TENSION	1
	16	VKR4170-001	RING		1
	17	VKS4131-001	REEL STOPPER		1
	18	VKR4325-00C	R.DISK ASS'Y(5)		1
	19	VKZ4003-010	FELT	BACK TENSION	1
	20	VKR4170-001	RING		1
	21	VKS4131-001	REEL STOPPER		1
△	22	MMN-6F2RA8Z	DC MOTOR	M5 FOR CAM	1
	23	VKR4326-001	MOTOR GEAR	CAM MOTOR	1
	24	DPSP2608Z	SCREW	CAM MOTOR	1
△	25	MMN-6F2RA8Z	DC MOTOR	M6 FOR REEL	1
	26	VKR3000-003	GEAR(1)	REEL MOTOR	1
	27	VKS4503-00D	F.R ASS'Y		1
	29	SWSP2608Z	SCREW	REEL MOTOR	1
	30	SDST2604Z	SCREW	CAM SW	1
	31	SDST2608Z	SCREW	D.BASE UNIT	1
	33	SDST2605Z	SCREW		6
	34	VKL3726-004	F.M. BRACKET		1
	35	VKS4437-001	THRUST PLATE		2
△	36	MMU-5B2LNL	D.C.MOTOR	M4 CAPSTAN	1
	37	VKR4317-002	MOTOR PULLEY		1
	38	18211202T	COLLAR SCREW		2
	39	SDST2606Z	SCREW		4
	40	SPSP2615Z	SCREW	CAM MOTOR	1
	41	LPSP2614Z	SCREW	REEL MOTOR	1
	42	VKL3411-00A	TAKE UP IDLER		1
	43	VKW3006-099	TORSION SPRING	TAKE-UP	1
	44	VKS4815-001	CASSETTE GUIDE		1
	45	SDST2606Z	SCREW	CASSETTE GUIDE	2
	46	SPSP2615Z	SCREW		2
	47	VKS4816-001	CASSETTE GUIDE		1
	49	VKW3001-170	COMP.SPRING		2
	50	VKB3001-017	CAPSTAN BELT		1
	51	VKS3162-004	BRAKE BAR		1
	52	VKW4380-001	TORSION SPRING		1
	53	VKL5316-00E	H.BASE ARM ASSY		1
	55	VKL5318-003	HEAD ARM		1
	56	VKL3413-00D	P.R.LEVER ASS'Y		1
	57	VKS4931-001	WIRE HOLDER		1

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	59	SPSH2018M	MINI SCREW		1
	60	VKL3683-003	HEAD BASE		1
	61	VKW4467-004	TORSION SPRING		1
	62	SPSM2025M	P.LOCK SCREW		2
	64	VKL3793-00E	H.MOUNTBASE	ASS'Y PARTS	1
	65	VKZ4271-002	WIRE STOPPER		1
	66	VGH0425-534	R/P &E HEAD	H2	1
	67	VKZ4291-003	HEAD SCREW		2
	68	T41615-004	STEEL BALL	HEAD BASE	1
	69	VKY4425-002	SPRING PLATE	HEAD BASE	1
	72	VKP4169-00D	P.R.ARM ASS'Y	RIGHT	1
	73	VKW3006-130	TORSION SPRING	PINCH ROLLER	1
	74	VKW3006-057	TORSION SPRING	RETURN	1
	76	VKP4171-00D	P.R.ARM ASS'Y	LEFT	1
	77	VKW3006-131	TORSION SPRING	PINCH ROLLER	1
	78	VKW3006-143	TORSION SPRING	RETURN	1
	80	VKL5322-003	DOOR SAFETY		1
	81	SDST2606Z	SCREW		1
	82	VKH4418-001	FLANGE COLLAR		1
	83	VKL6189-001	FW. HOLDER		1
	84	SDST2605Z	SCREW		2
	85	VYSR101-008	SPACER		2
	86	18201306T	RUBBER CUSHION		2
	87	SPI-302	REFLECTOR		1
	88	SDST2606Z	SCREW		1
	90	VKF3123-00G	FLYWHEEL ASS'Y		2
	91	Q03093-834	WASHER		2
	92	SSST2605Z	SCREW		1
	93	VKZ4001-009	WIRE HOLDER		1
	94	QXTX154-004	TUBE		1
	96	VKY4279-001	PACK SPRING		1
	97	SDST2604Z	SCREW	FOR PACK SPRING	2

13 Packing and Packing Parts List

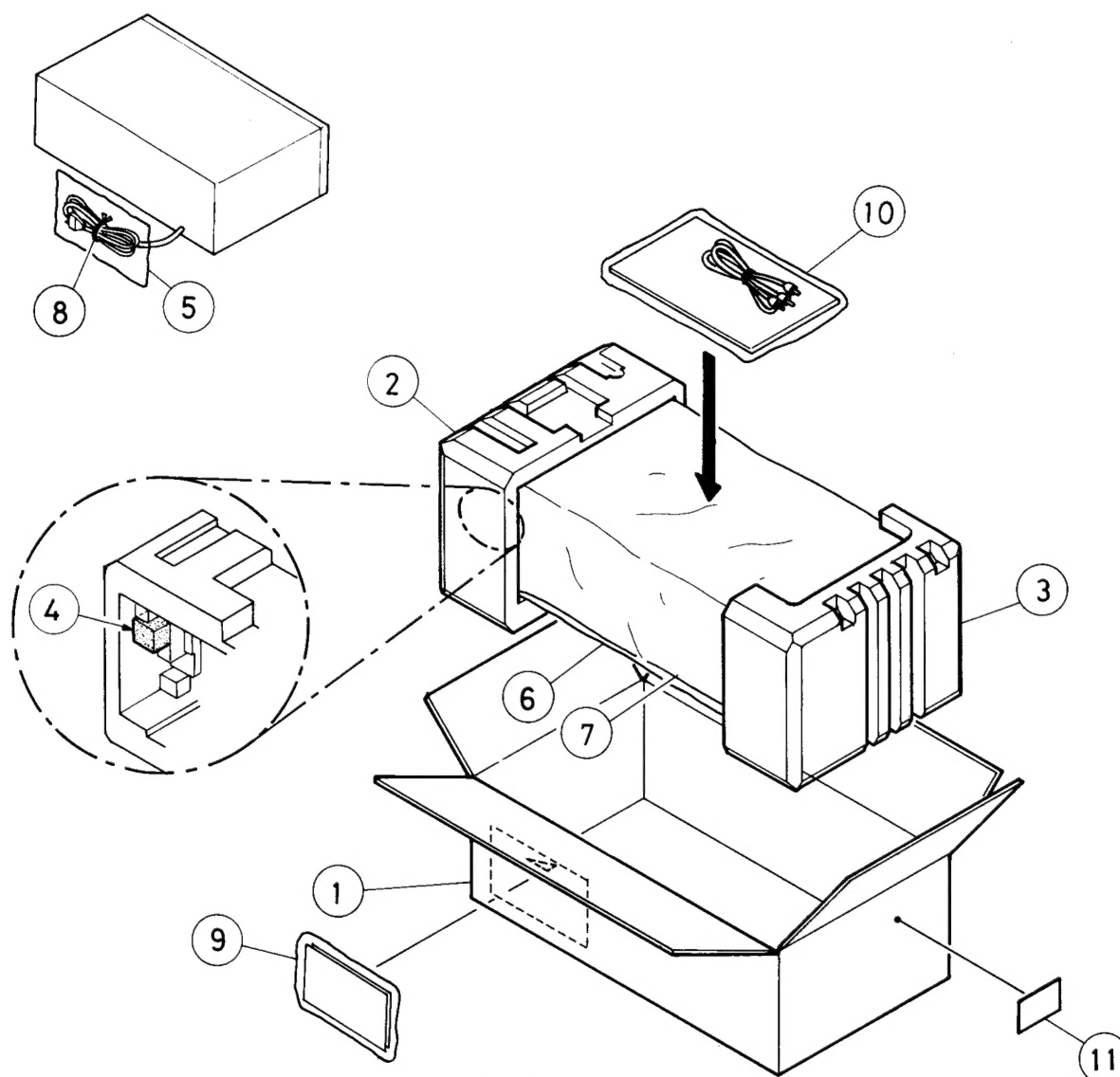


Fig. 13-1

Packing Parts List

⚠ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VPC2206-002	Carton		1
	2	VPH2315-001	Cushion	Left Side	1
	3	VPH2315-002	"	Right Side	1
	4	VPH4116-003	Pad	Inside for VPH2315-001	1
	5	QPGA010-03003	Poly Bag	for Power Cord	1
	6	E34033-015B	"		1
	7	VPK3001-001	Sheet	for Unit	1
	8	Q0414H	Wire Clamp	for Power Cord	1
	9	E66416-003	Envelope	for Warranty Card	1
	10	VPE3005-007	Envelope	[J/U (PX, EES) Only]	1
	11	VND3044-001	Serial Ticket	TD-R611 A/U (WT)	1
	"	" -001	"	TD-R611 C (WT)	2
	"	" -002	"	TD-R611 J (OR)	2
	"	" -003	"	TD-R611 E (BU)	1
	"	" -004	"	TD-R611 B ()	1
	"	" -005	"	TD-R611 G	1

14 Accessories

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	VMP0039-00C	Pin Cord		1
	EWP805-001	Remote Wire		1
	VNN2206-661	Instruction Book		1
	BT20060	Warranty Card	TD-R611 B	1
	BT20066	"	TD-R611 B/G	1
	BT20029C	"	TD-R611 A	1
	BT20098	"	TD-R611 A	1
	BT20025J	"	TD-R611 C	1
	BT20047C	"	TD-R611 J/U (for PX, EES)	1
	BT20064A	"	TD-R611 G	1
	BT20071A	SVC Center List	TD-R611 C	1
	BT2046C	Special Reply Card	TD-R611 J/U (for PX, EES)	1
	BT20044E	Safety Guide	TD-R611 J	1
	VNC2200-019	Copy Right Law Warning		1
	VNC5311-203	Caution Card	TD-W611 U (for EES)	1
	" -204	"	TD-R611 U (for PX)	1
	V04062-001	Conthi Plug	TD-R611 U	1
	TCP-3304	Audio Tape Pamphlet		1

JVC

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